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UNIT VARIATIONS COVERED BY THIS PRINT SET
RH78Ø
RH78Ø-AA RH78Ø-AB

RH78Ø Field Maintenance Print Set

Digital Equipment Corporation

PRINT SET ORDER NO MP00499

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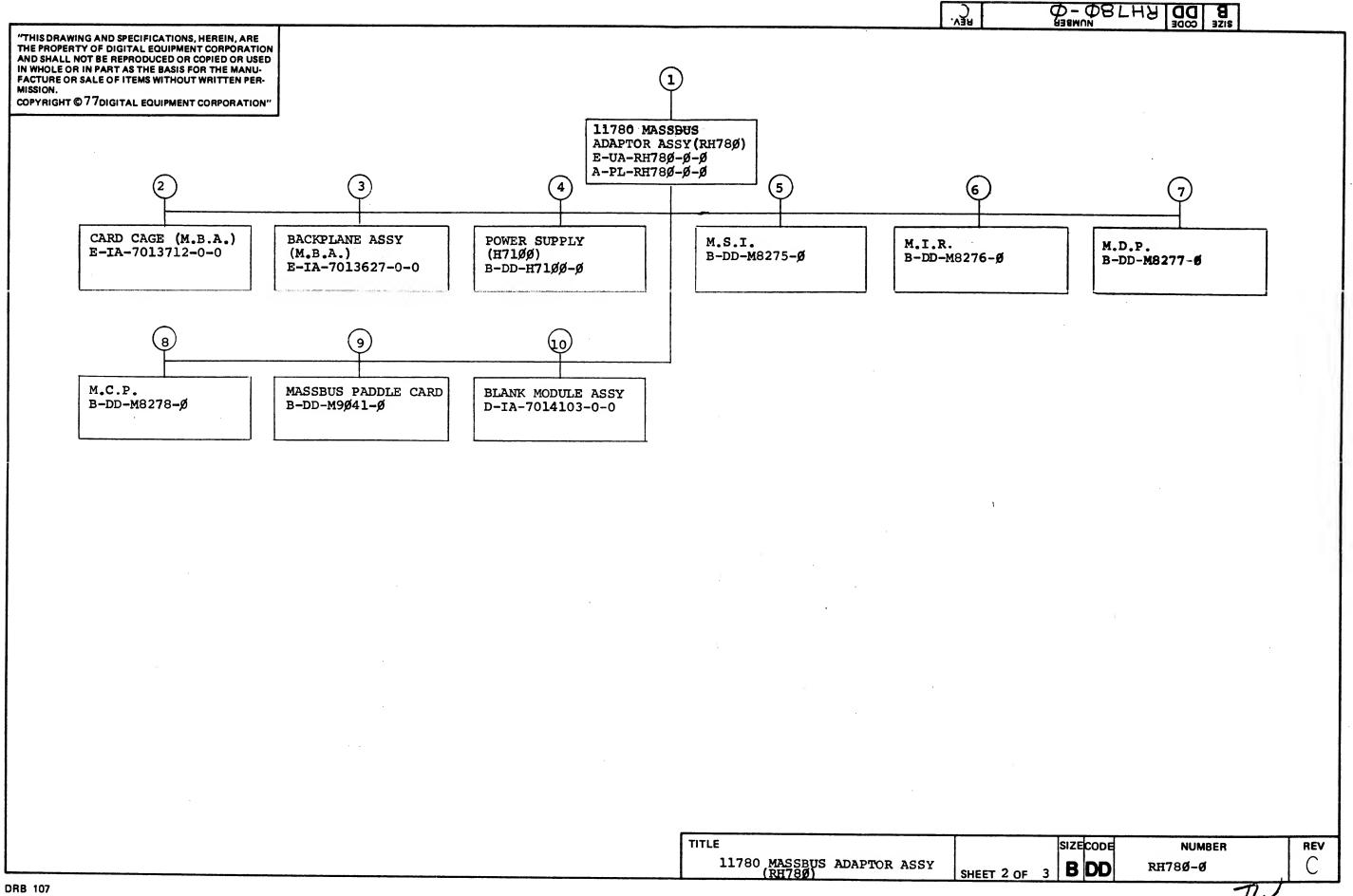
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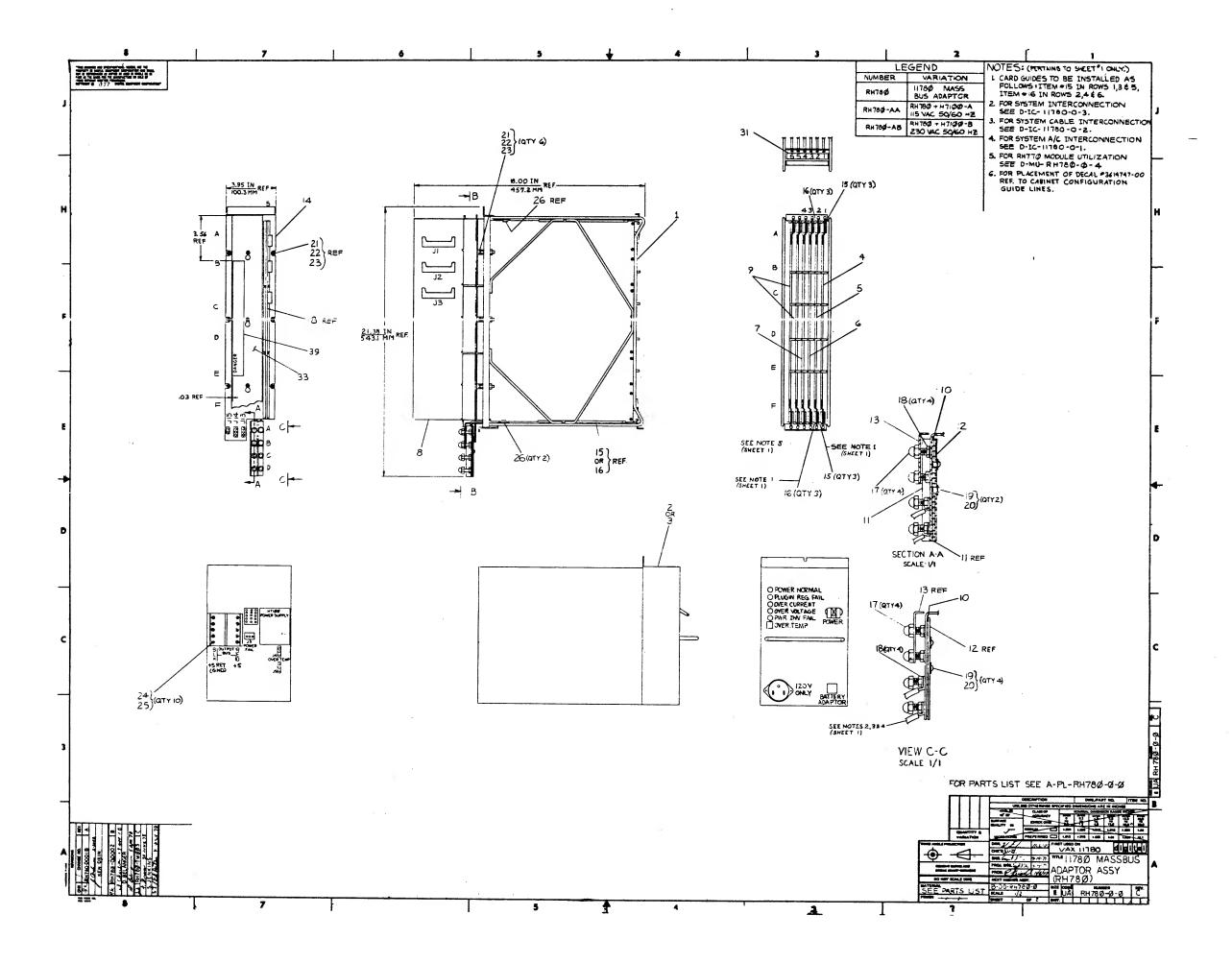
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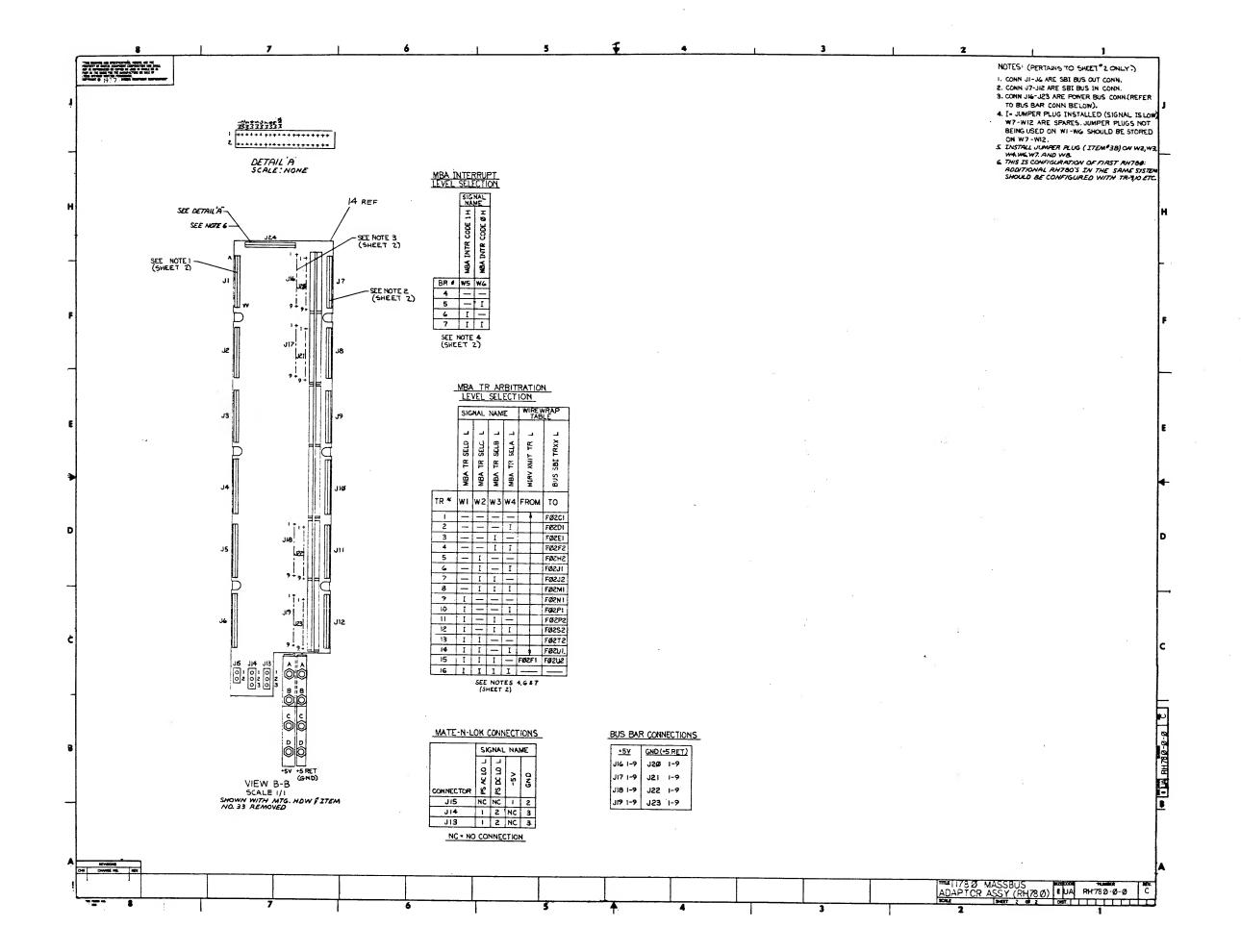
·	UNIT VARIATIONS							
VAR	TITLE							
RH78Ø	11780 MASSBUS ADAPTOR ASSY (RH78Ø)							
RH78Ø-AA	RH78Ø PLUS H710Ø-A 115V AC 50/60 HZ							
RH78Ø-AB	RH78Ø PLUS H71ØØ-B 23ØV AC 50/60 H2							

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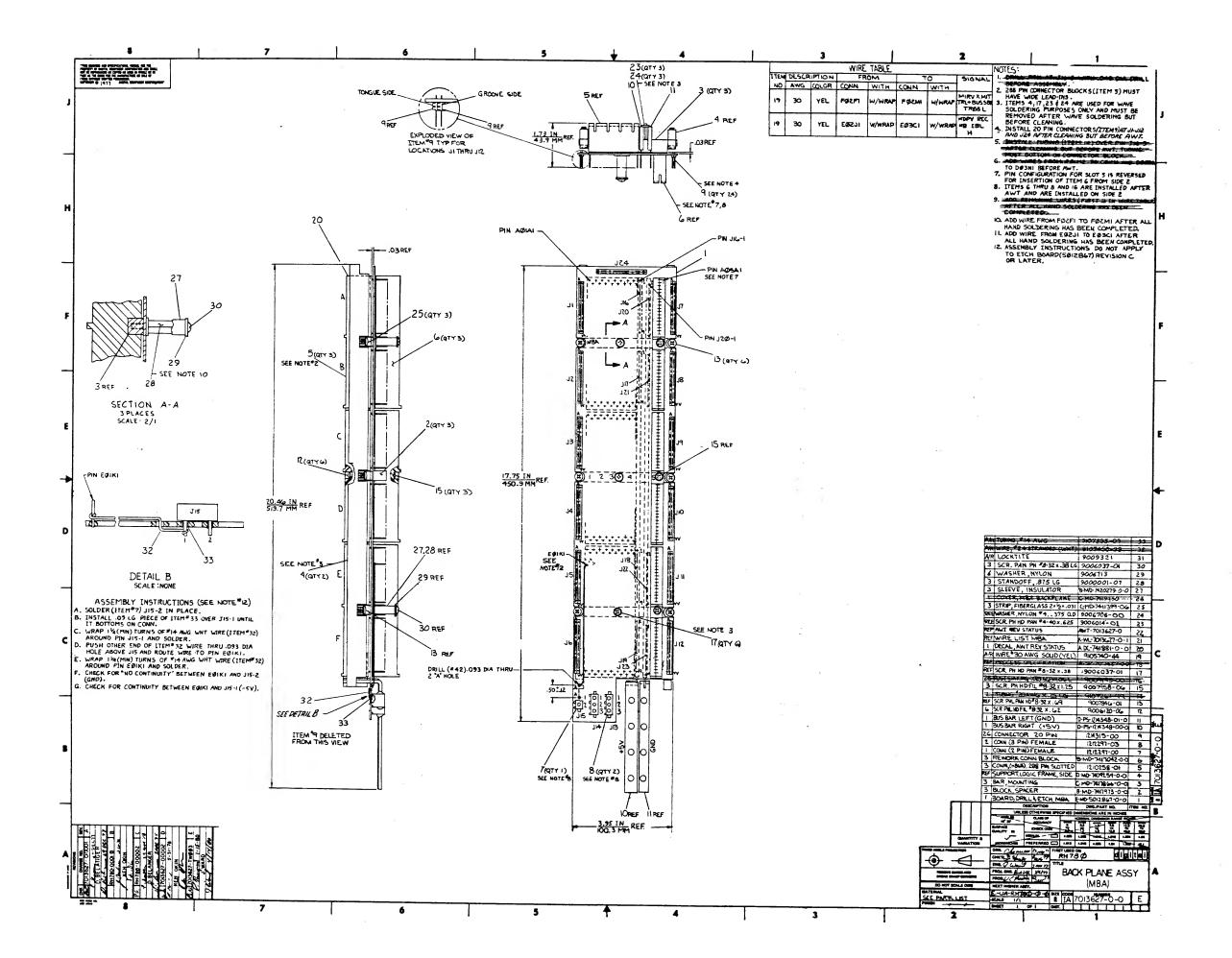
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C-MD-7418181-0-0 ST	TIFFENER, CORNER	<u> </u>	M	9	B-DD-M9Ø41-Ø	MASSBUS PADDLE CARD	E/M
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	OARD DRILL AND ETCH, M.B.A.		M		E-MD-7418172-0-0	BLANK MODULE	M
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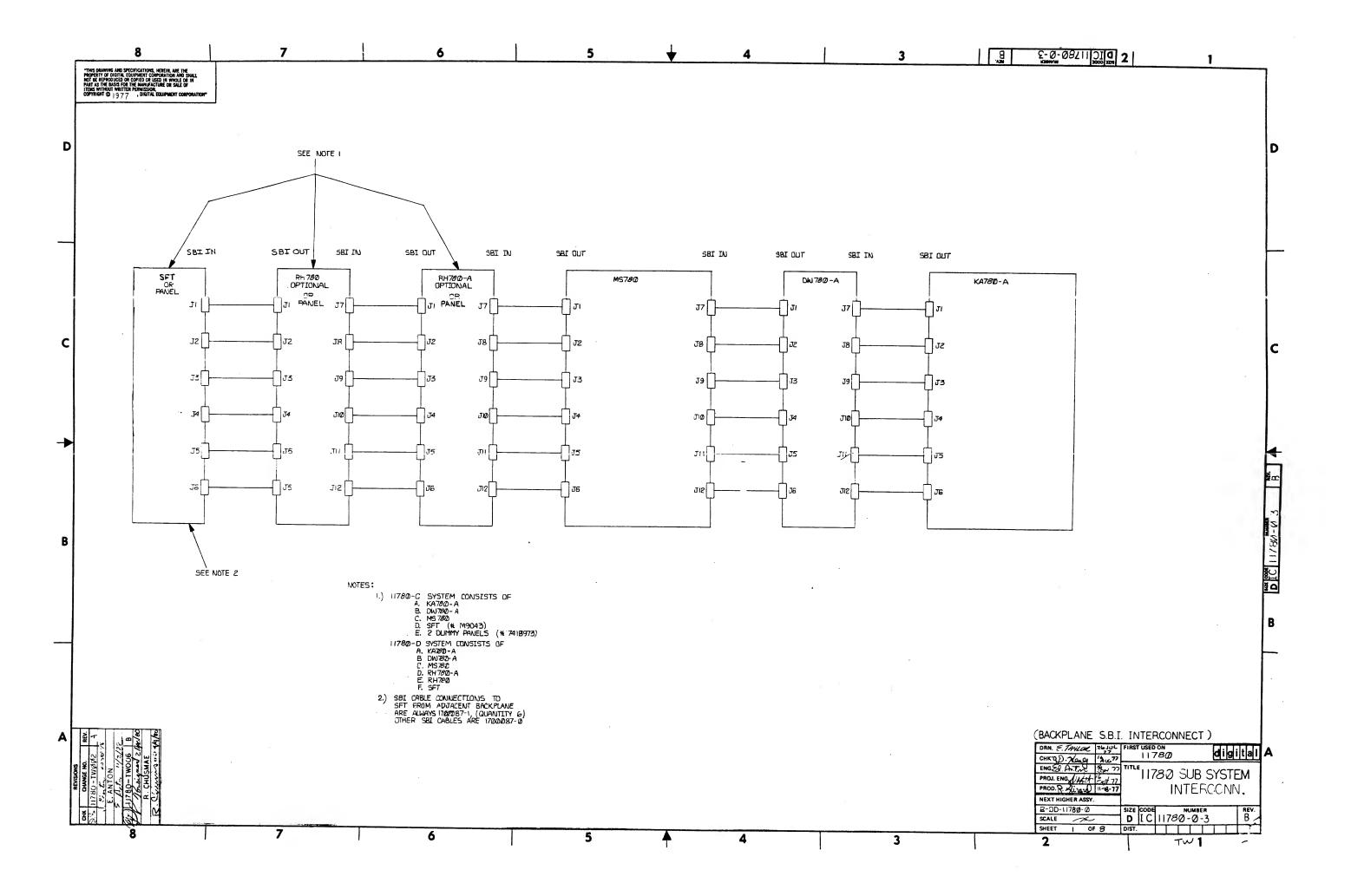


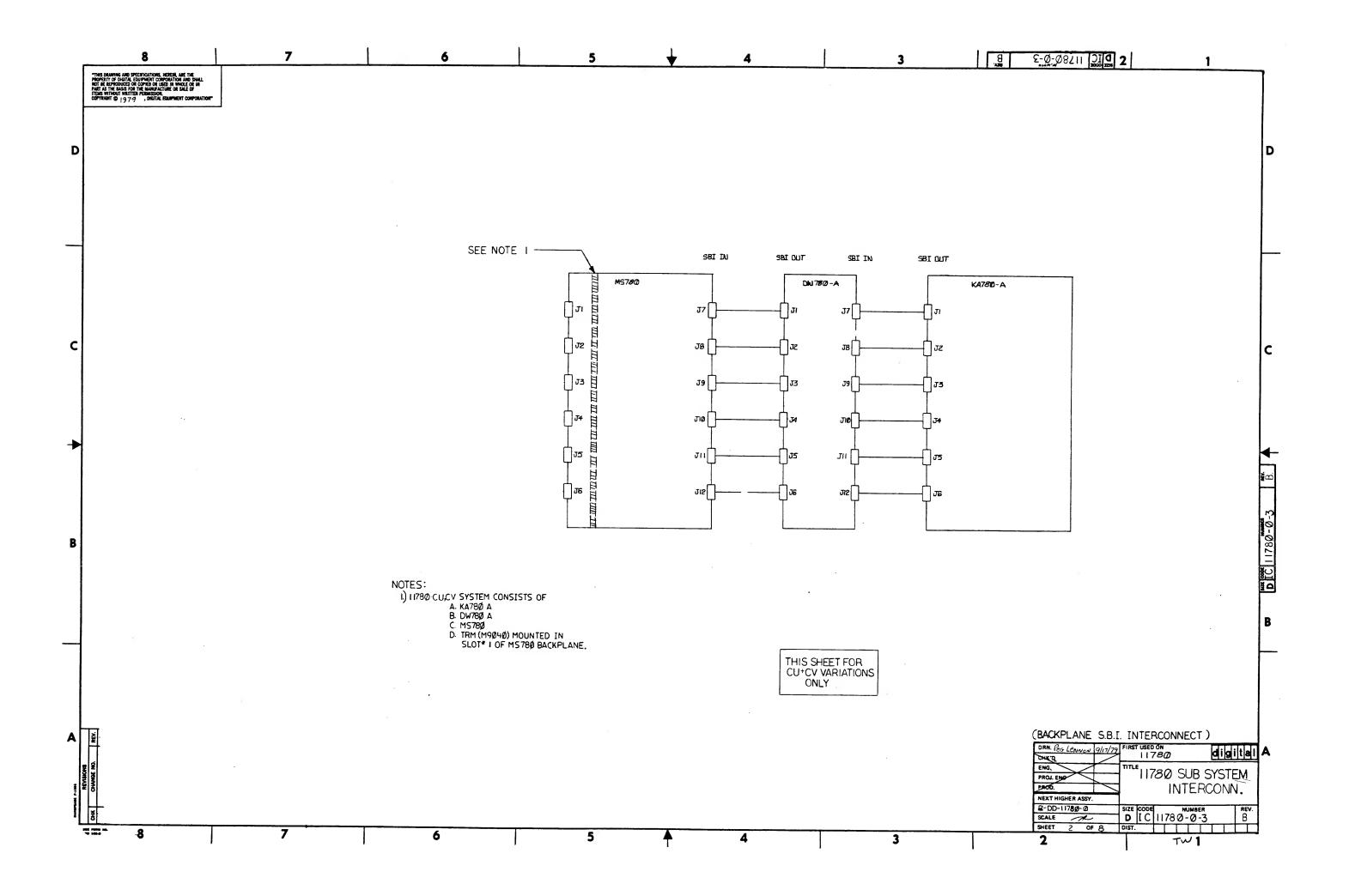


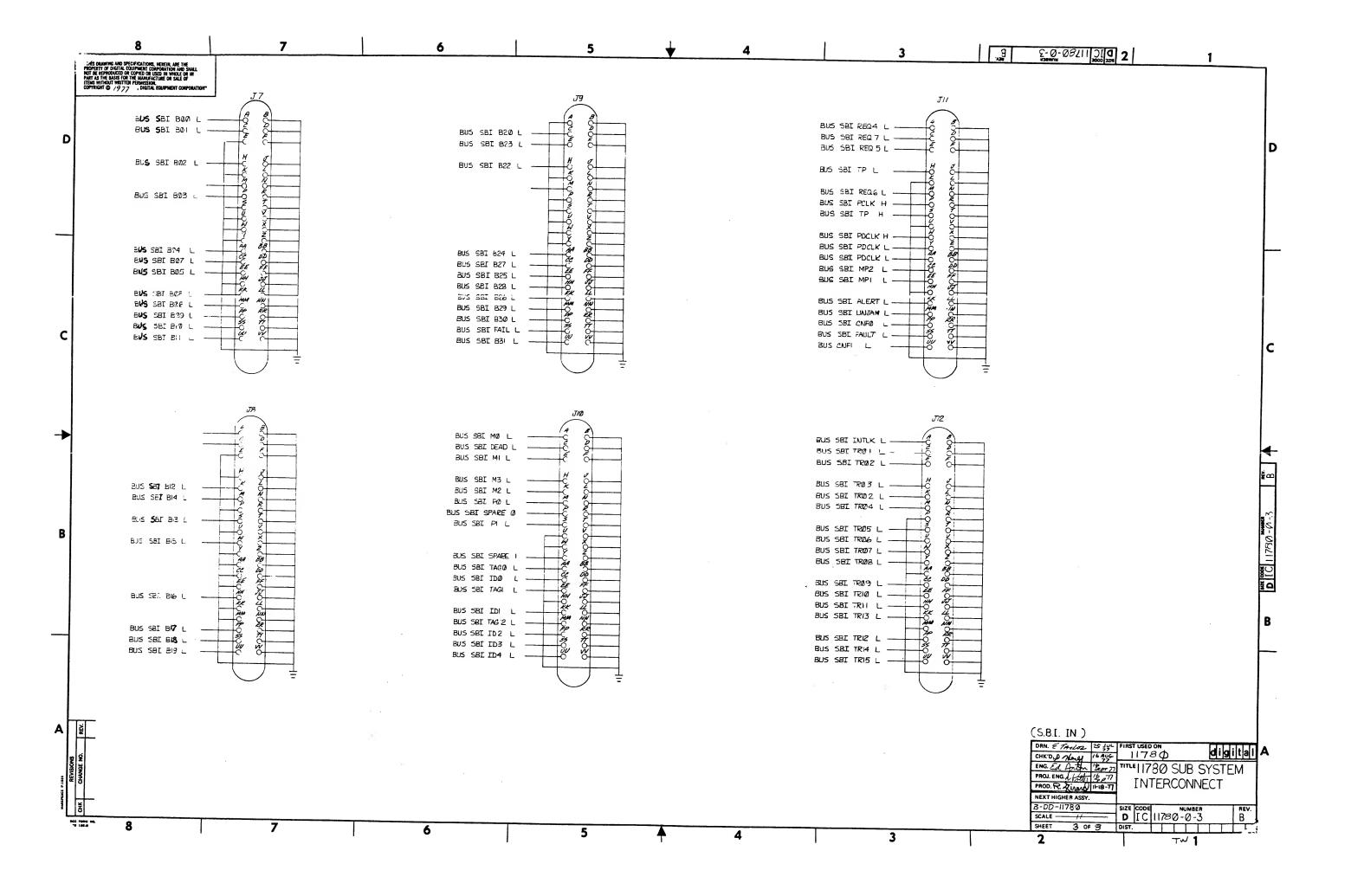
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008032-01 SCR PH HID PAN #4 - 40 x .19 006655-00 WASH, FLAT, .31 o.d. x .12 1d. x .03 006043-01 SCR PH HID PAN 8 - 32 x 1,00 C06660-00 WASH, FLAT, .038 o.d. x .19 i.d. x .06 1178Ø M⁴SSBUS ADAPTOR ASSY E-UA-RH78Ø-Ø-Ø SIZE ODE RH78Ø SIZE SIZE SIZE SIZE SIZE SIZE SIZE SIZE	18	9006565-00	KEP #10 -		8			
006655-00 WASH, FLAT, .31 o.d. x12 1d. x03 006043-01 SCR PH HD PAN 8 - 32 x 1,00 C06660-00 WASH, FLAT, .038 o.d. x19 1d. x06 1178Ø MASSBUS ADAPTOR ASSY E-UA-RH78Ø-Ø-Ø SIZE CODE RH78Ø-Ø-Ø RH78Ø-Ø-Ø SIZE SIZE SIZE SIZE RH78Ø-Ø-Ø RH78Ø-Ø-Ø SIZE RH78Ø-Ø-Ø RH78Ø-Ø-Ø SIZE RH78Ø-Ø-Ø RH78Ø-Ø-Ø SHEET 1 OF 2 DIST	19	9008032-01	PH HD PAN $\#\Psi$ - $40 \times$		4			
306043-01 SCR PH HD PAN 8 - 32 x 1,00 6 6 6 6 6 6 6 6 6 6 6 6 8 PL RH78Ø-Ø-Ø RH78Ø-Ø-Ø RH78Ø-Ø-Ø RE-UA-RH78Ø-Ø-Ø A PL RH78Ø-Ø-Ø RH78Ø-Ø-Ø RH78Ø-Ø-Ø C	20	9006655-00	.31 o.d. x .12 id. x		77			
CO6660-00 WASH. FLAT, .038 o.d. x .19 id. x .06 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	21	9006043-01	PH HD PAN 8 - 32 x 1.		9			-
1178 ϕ MASSBUS ADAPTOR ASSY SET 1 OF 2 DIST	22	11	FLAT, .038 o.d. x .19 td. x .		9			
(RH78Ø) E-UA-RH78Ø-Ø-Ø A PL RH78Ø-Ø-Ø (TITLE		ASSY NO.	\vdash	2	IUMBER	1	ECO NO.
SHEET I OF 2		(RH78Ø)	E-UA-RH78Ø-Ø-Ø	PL	RH78ø-	Ø-Ø-	<u>ں</u>	00003
			1 OF 2	IST				

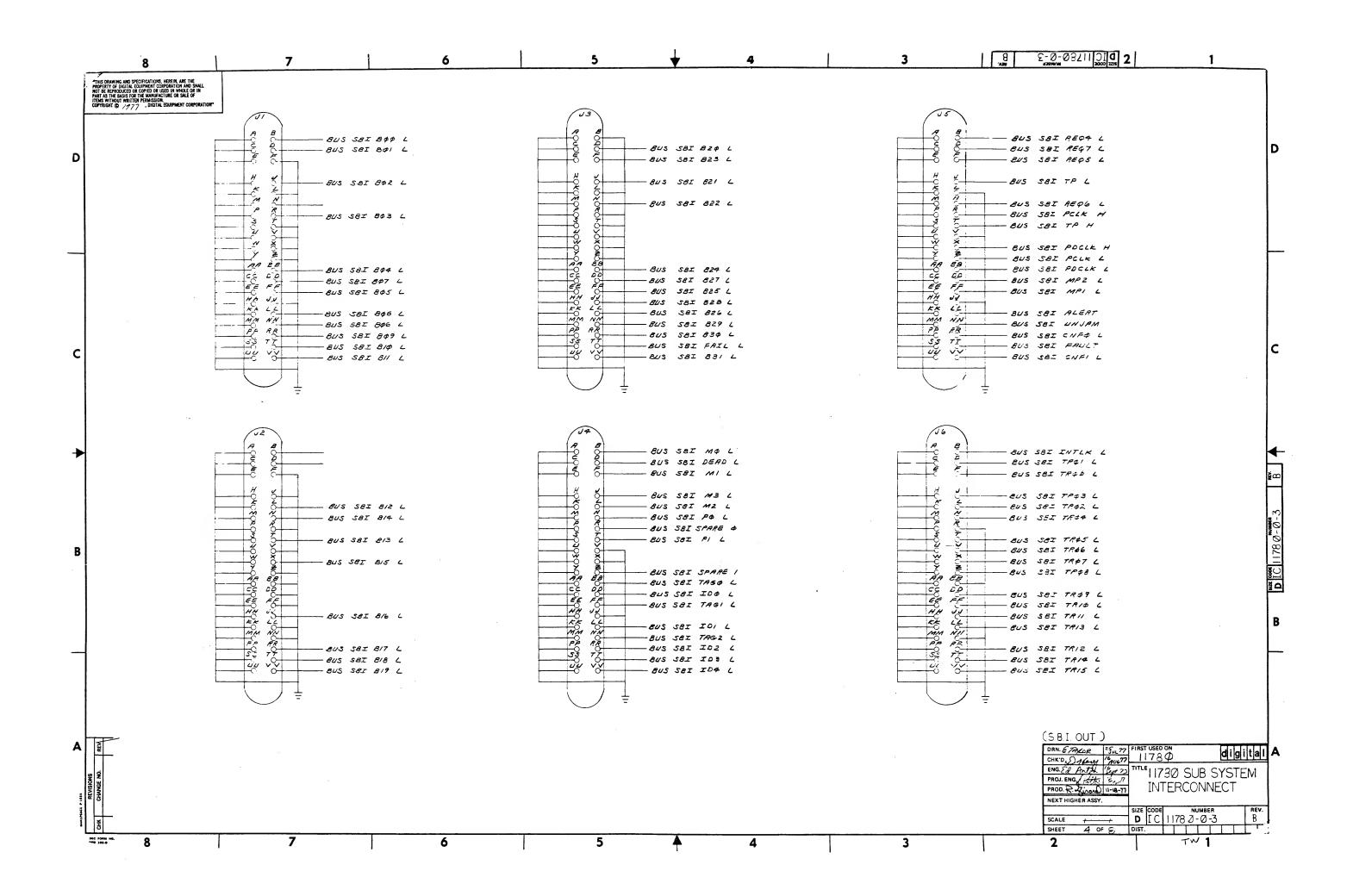
	DIGITAL EQUIPMENT	NUIPMENT CORPORATION	0	QUANTITY VARIATION	
		MAYNARD, MASSACHUSETTS PARTS LIST			
MADE BY DATE	BY W. FISHE	CHECKED D. HEALY SECTION 1			
ENG DATE	Commit a OX:	PROD \mathcal{L} Arion issued sect.	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
ITEM NO.	DWG NO./PART NO.	DESCRIPTION			
23	9006563-00	NUT, KEP #8 - 32	9 9 9		
54	9006073-01	SCR, PH HD PAN #10 - 32 x 50	סנ מנ סנ		
25	00-9022006	SK SPLIT #10	10 10 10		
56	1211630-00	CARD GUIDE	0 0		
27	D-IC-1178Ø-Ø-3	1178ø SUB SYSTEM INTERCONNECT	REFREFER		
28	D-IC-1178Ø-Ø-2	1178¢ SYSTEM INTERCONNECT DIAGRAM	REFREFREF		
59	D-IC-1178Ø-Ø-1	1178Ø SYSTEM POWER DIAGRAM	REPRERE		
30	D-MU-RH784-0-2	FH78% MODULE UTILIZATION	REPREPRE		
31	3613281-03	LABEL, ADHESIVE BACKED PRINT (6 SLOT)	2 2 2		
32	7014212-ØM	CABLE AC, DC LO	- 1 1		
33	C-MD-7419450-0-0	COVER, M.B,A. BACKPLANE			
34	7014530-ØL	CABLE POWER (RED)	2 2 2		
35	7014249 - ØL	CABLE POWER (BLACK)	2 2 2		
36	1700087-0-0	COAX RIBBON CABLE (SBI) (4 in)	. 9 9 9		
37	7014212-ØH	CAPLE AC, DC LO	1		
₹3	1214314-00	PLUG, JUMPER	9 9 9		
39	3615087-02	•	1		
40	D-UA-BC06R-10-0	BC06R 1/0 CABLE (10 ft)	3 3 3		
4 1	7014213-0K	CABLE, OVER TEMP	- 1 1		
42	9009642-00	SCR SEMS PH HD PAN #832 x .25	4 5 5		
43	3614747-00	LABEL, MODULE UTILIZATION RH780	-		
TITLE	11780 MASSBUS ADAPTOR	DAPTOR ASSY ASSY NO. F-111 - BH783-04-0		NUMBER REV ECO NO.	ġ.
	(2) (5.1)	SHEET 2 OF 2		-	I
EC F.	EC FORM 1A 110		-	120]
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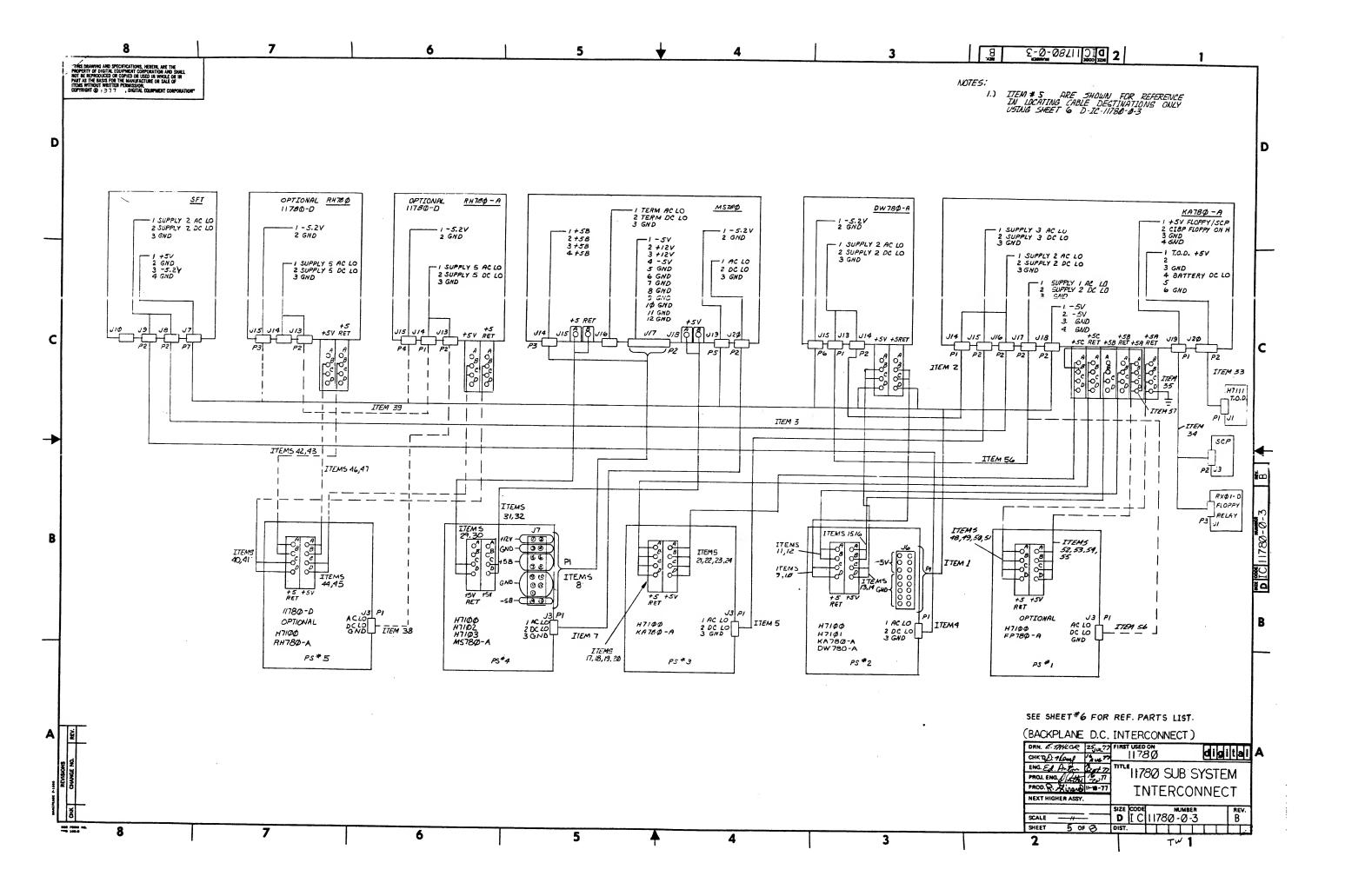


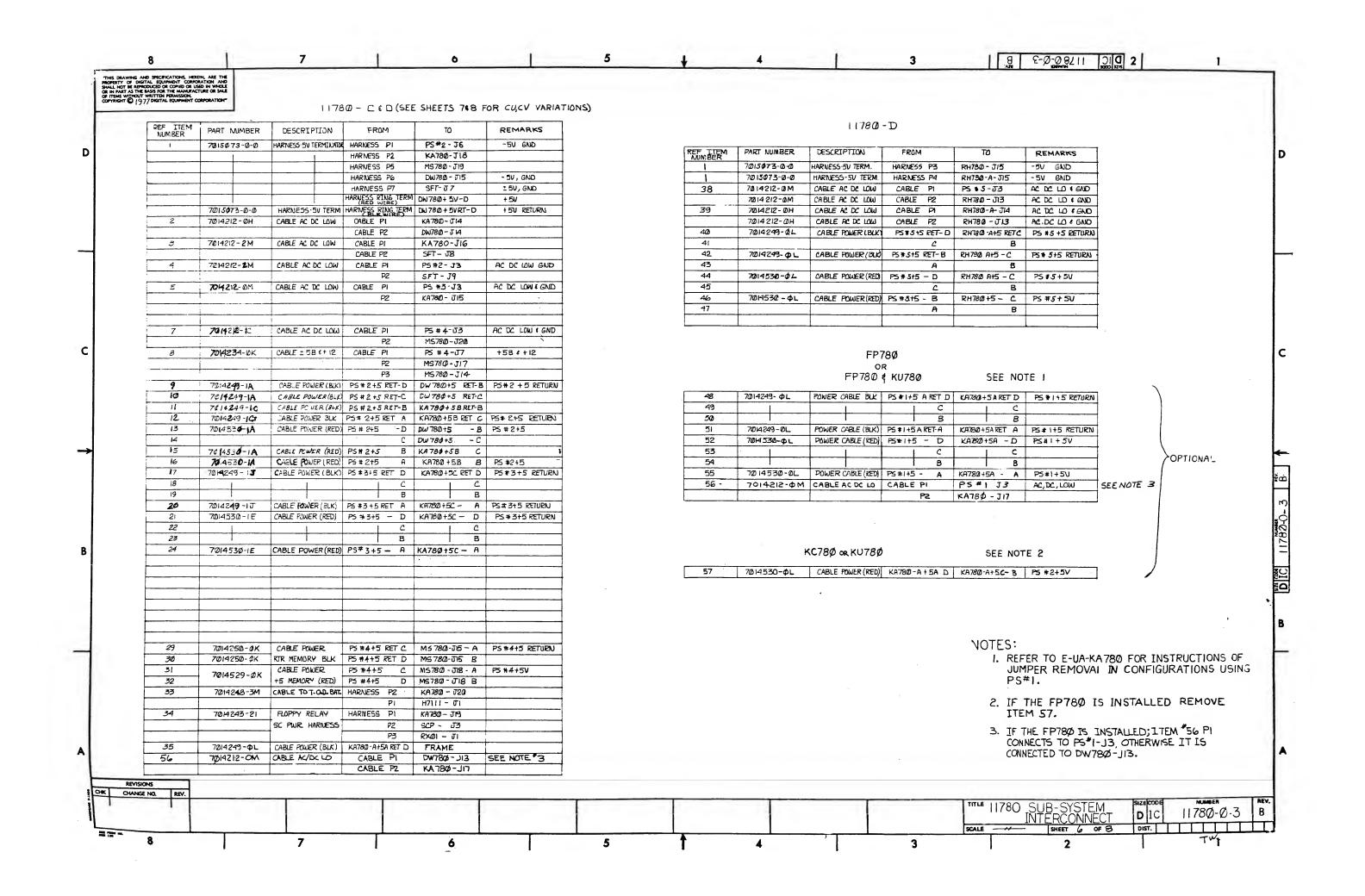


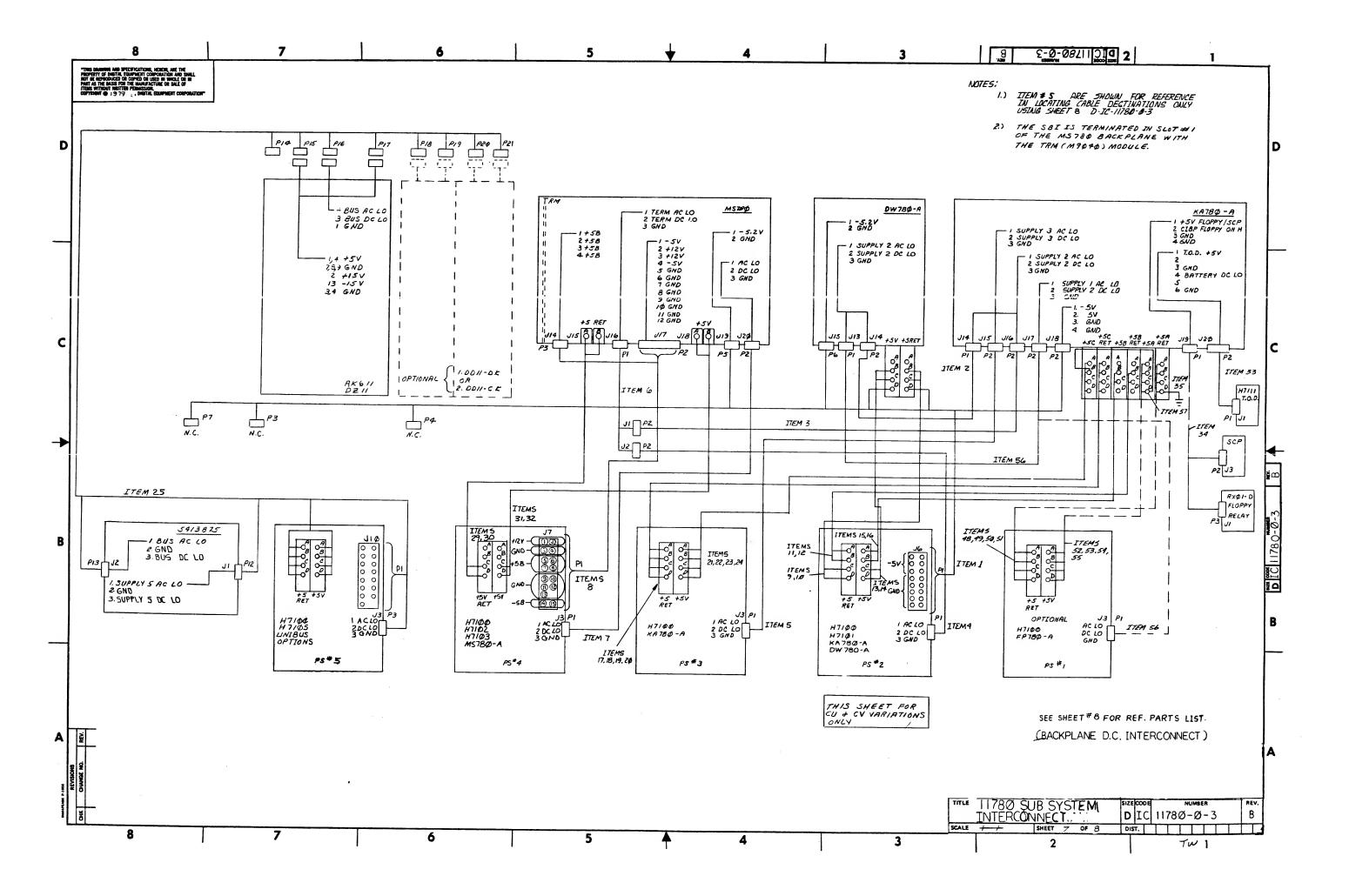


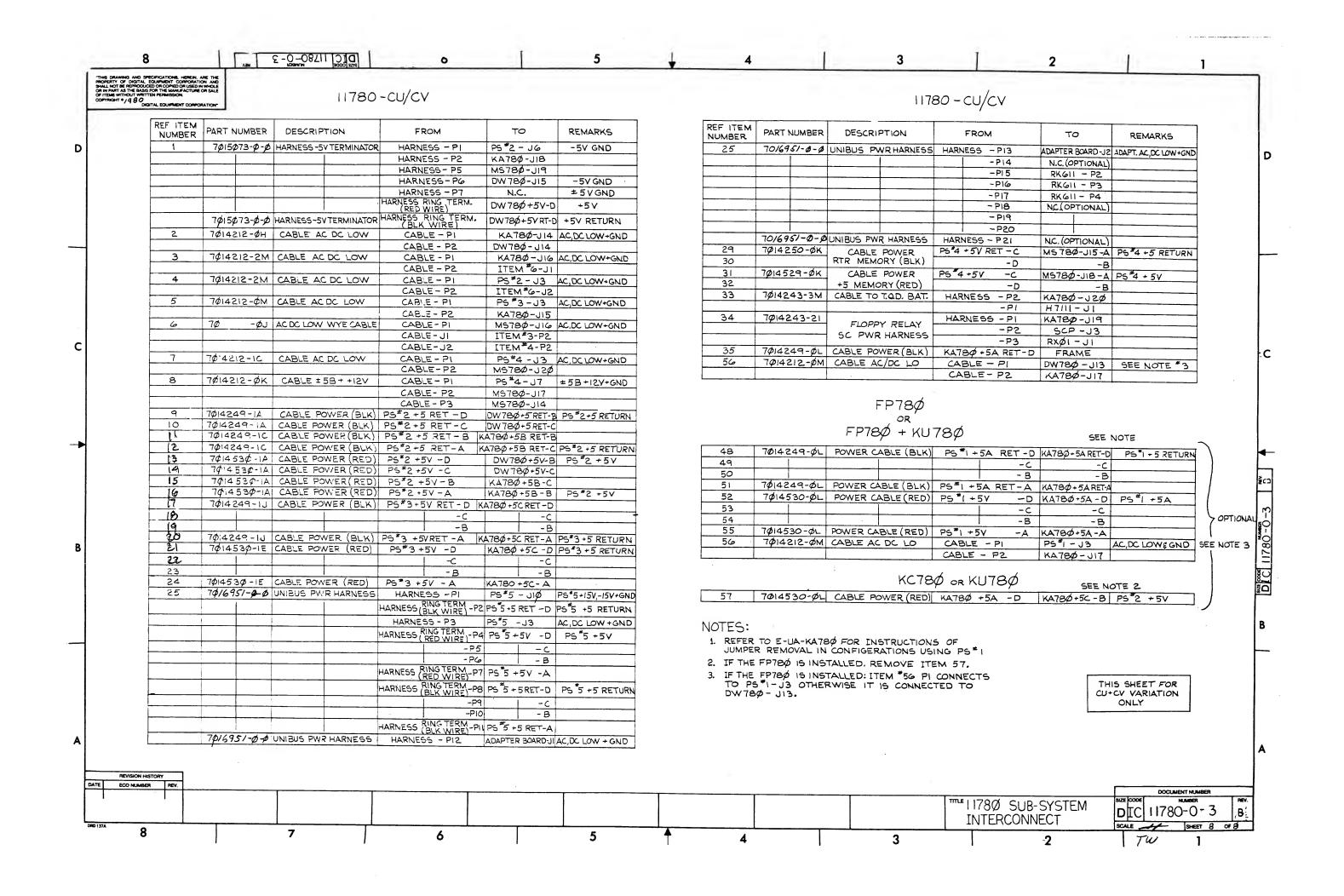


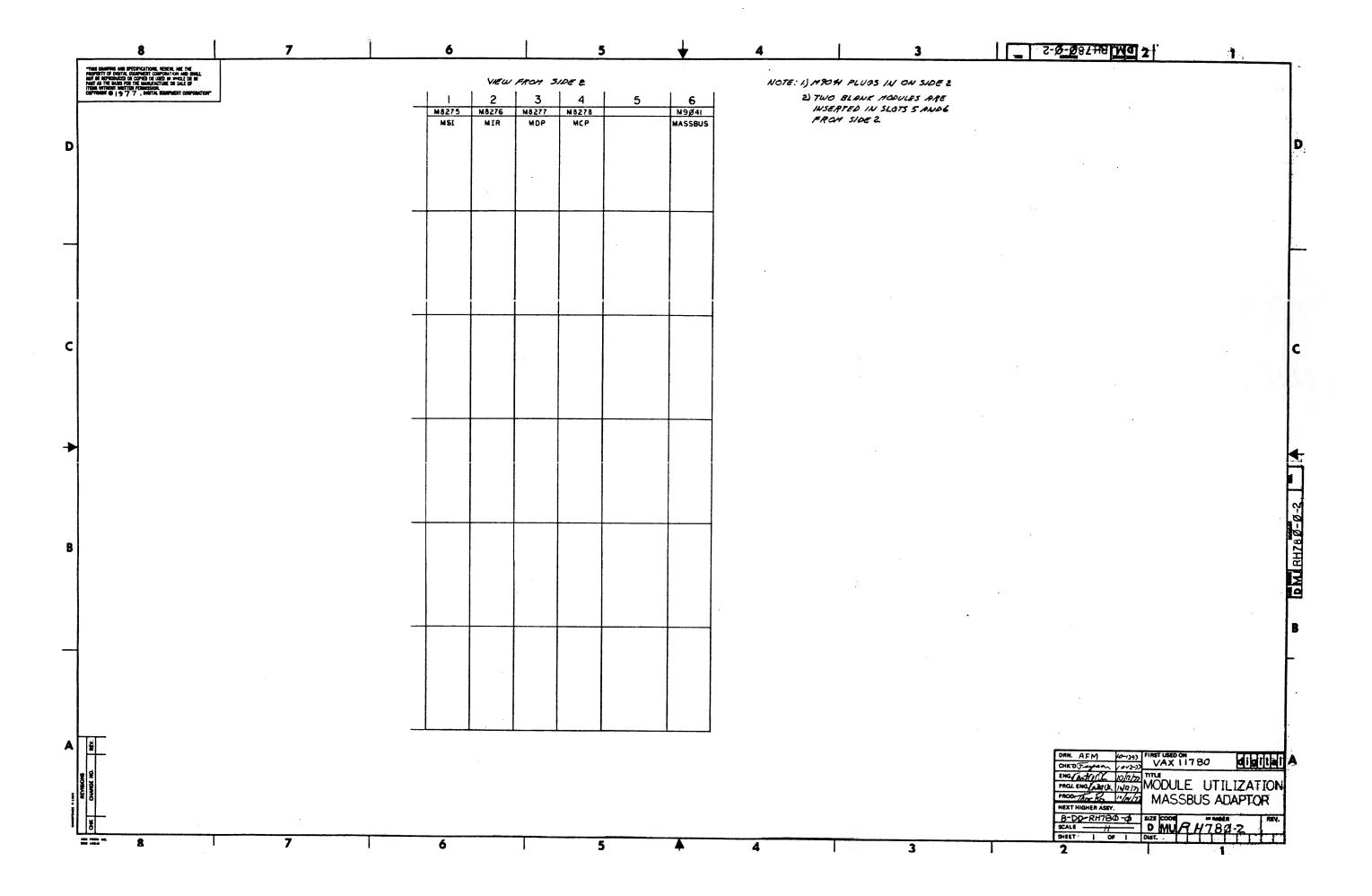


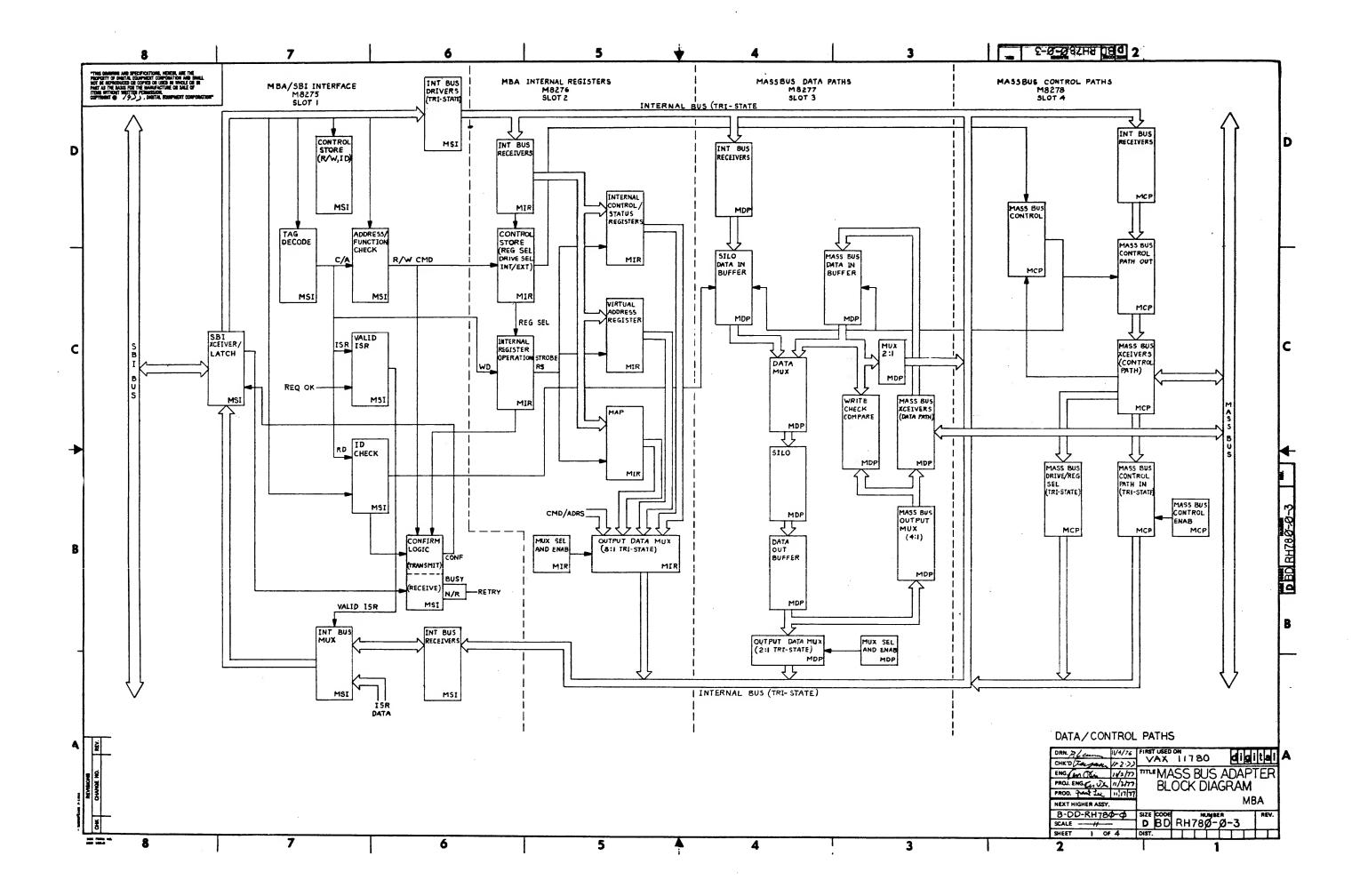


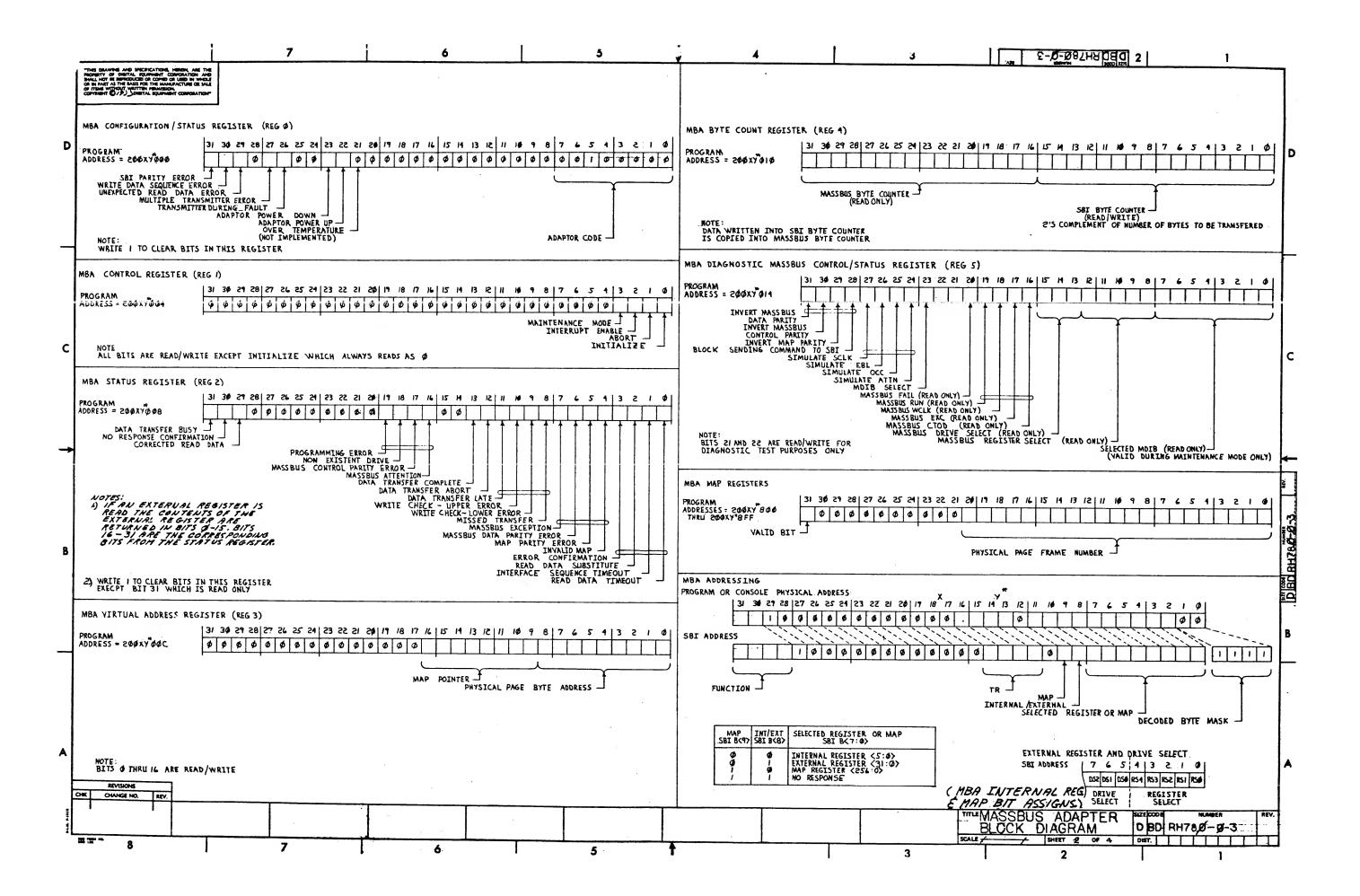








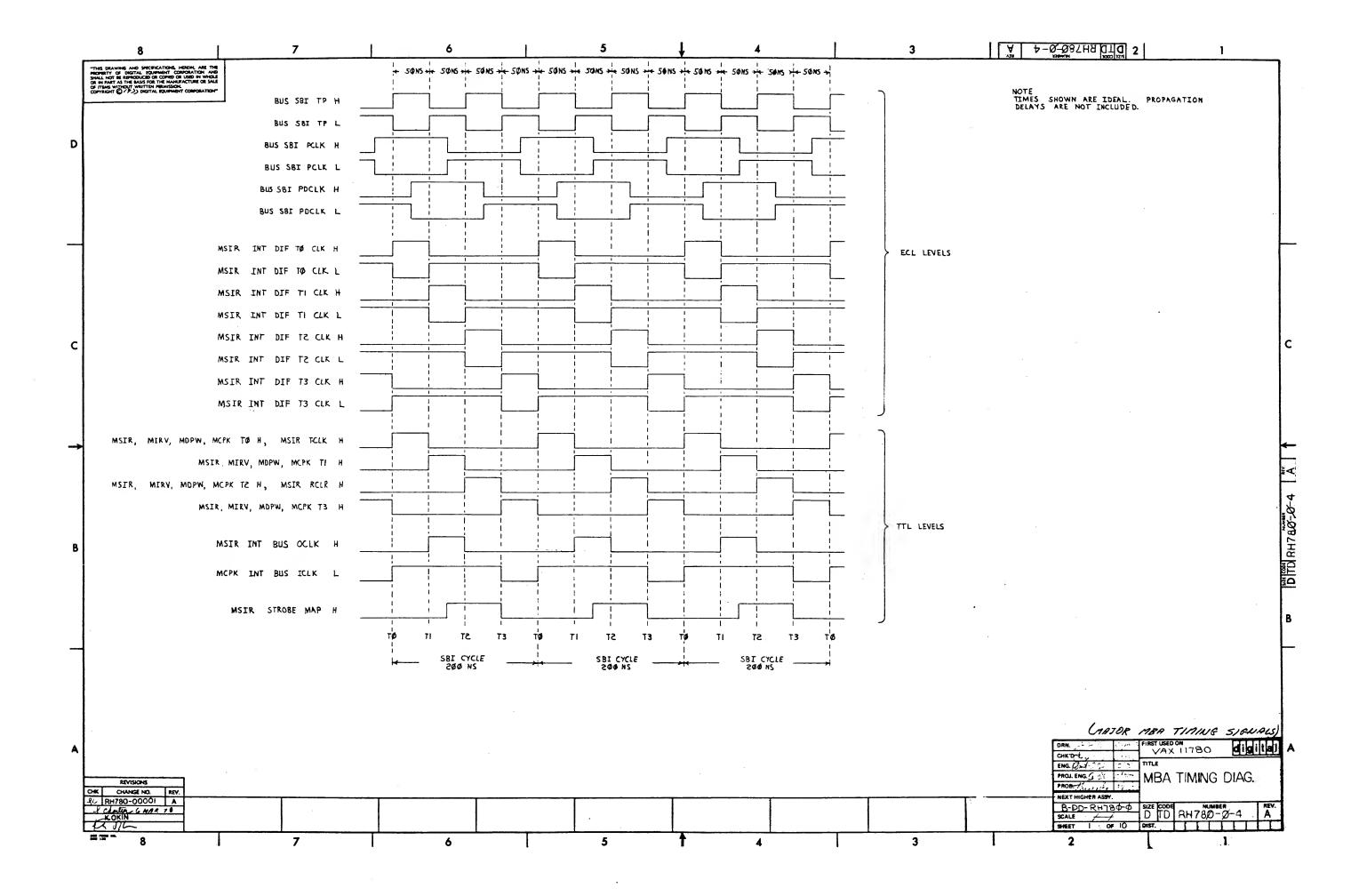


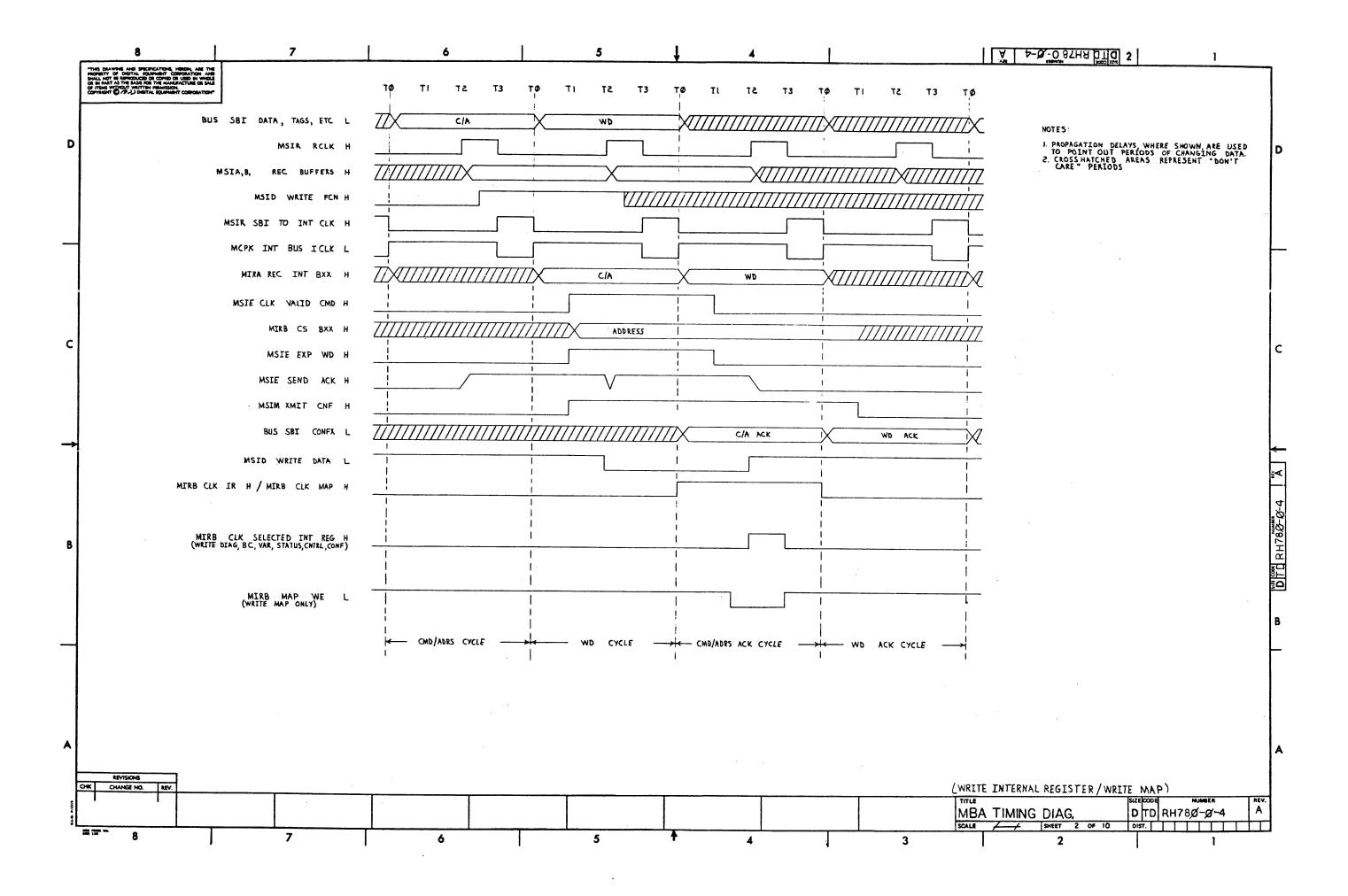


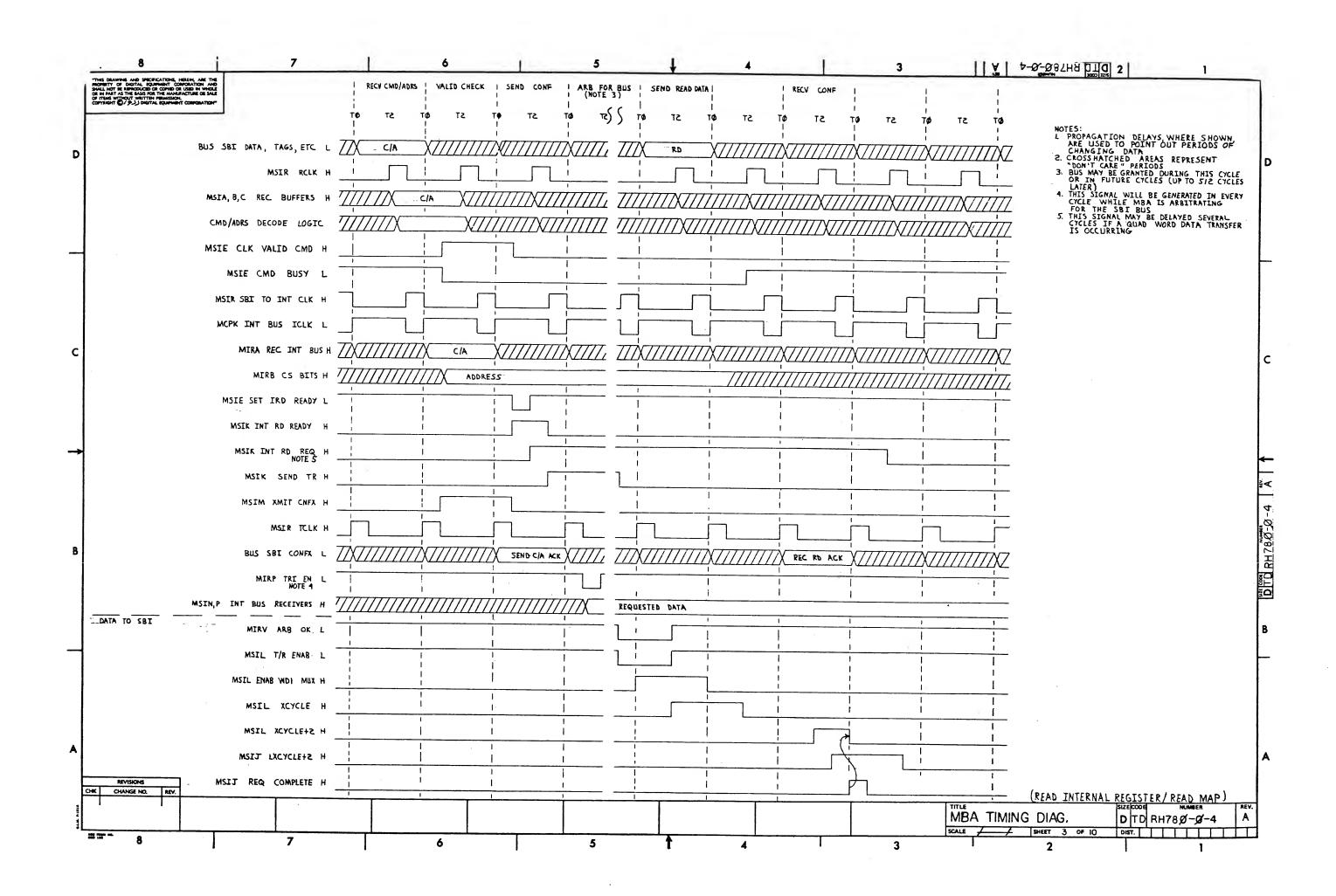
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	THE CHANNES AND PROFICATIONS, HORSEN, AND THE PROPERTY OF DISTAN, EXAMINIST CORPORATION AND HALL HOT SE SERVICILLOS DES COPINS OR USED IN WARRA SE SE PART AS THE BASE FOR THE MANUFACTURE OR SALE SETTINGS WE PROPERTY WITTEN PRINCESON.			•			том	THE PIN SIDE O	CARD PLUGS IN FROM OF THE BACKPANEL. SIDE & PINS ARE
1	DEVENUE 797/DIGITAL EQUIPMENT CONFIDENT	_	0.00					REVERSED.	2104 € LIM2 NKE
Г	MSI	•	. MI	R or 2	MDF	MCP			PADBLE CARD
	SIDE	SIDES	SIDE!	SI DE 2	SLOT 3 SIDE 1 SIDE 2	SIDE 1 S			OT 5
_		+5 V		A +5 V	BUS MBA INT BOO H A +5V	BUS MBA INT BOO H A +5V	SIDE 2	SIDE 2 5V) NO CONNECTION	SIDE I
		BUS MBA INT BOL H	MOPA VAR BYTE CAT L		MDPA VAR BYTE CHT L B BUS MBA INT BOT H		INT BOI H	3 4) NO CONNECTION	B MASS FAIL H
1		GND	MIRJ INV MBCPO PAR H		MDP GRIST L C GND	MIRJ INV MBCPO PAR H C GND	G	ND .	c
		BUS MBA INT BOS H	MCPB DT REV H	D BUS MBA INT BOS H'	MCPB DT REV H D BUS MBA INT BOZ H		A INT BOS H		D
- 1		MSID WRITE FCN H	MCPA SET DT COMPLETE L	F MSID WRITE FON H	MCPA SET DT COMPLETE L E BUS MEA INT BOS H MASS SP2 + F MASS SP2 -	MCPA SET DT COMPLETE L E BUS MB	A INT BOS H		E
ł		BUS MBA INT BOA H		H BUS MAN INT BOA H	GND H BUS MBA INT BOT H	MCPA INIT COND L F MSID WI	A THE PORT II	ss sps -	H GND
		MBA INTR CODED H .		J MOPF SET MOIS FULL L -	MOPE REC MBD PE H J MOPE SET MOTE FULL L	MASS DEM (+) JI MASS D		ISS DEM -	J MASS DEM +
1-7		MIRE PGM INIT L	BUS MBA INT BEST H	K MIRE PGM INIT L	BUS MBA INT BOS H K MIRE POM INIT L		SM INIT L .		IK .
⊿ ′		BUS MBA INT BOT H		L BUS MBA INT BOT H	BUS MEA INT BOL H L BUS MEA INT BOT H		A INT BOT H. A		i.
		BUS MEA INT BOO H		M BUS MEA INT BOS H	MDPS DIAG INT BUS EN L M BUS MBA INT BEE H	MDPS DIAG INT BUS EN L M BUS MB			M
		BUS SRI RO7 L	MDPA .VAR CAT H	N GND P MIRF VAR BITAZ H	MDPS DIAG INT BUS EN H W GND MDPA VAR CNT H P MIRF VAR BITOZ H	MASS DSS (-) P MASS I	GN SSZ (1)		W *
ı		BUS MEA INT BOO H		R BUS MBA INT BOT H	BUS MBA INT BIO H IR BUS MBA INT BOO H		N INT BØ9 H	+ 520 22	P MASS DSZ -
ł		BUS SBI BOB L		S MIRF VAR BITOL H	+ IQV S MIRE VAR BITO H	S MASS D		SS DSI -	S (+124) NO CONNECTION
		BUS SBI BØ9 L	GND	T MIRF VAR BITOO H	GND T MIRF VAR BITOG H	GND T MASS D.	S1 (+) MA:		T GND
		BUS SBI BII L		U	U	MASS TRA (+) U MASS T	RA (-) MA.	SS TRA -	U MASS TRA +
		BUS MEA INT BILL		V BUS MBA INT BIL H	+5V V BUS MEA INT BILL H		A'INT BIL H		V (+5V) NO CONNECTION
:	SIDE	SIDE 2	SIDE I	SIDE S	SIDE 1 SIDE 2	SIDE	DE 2	SIDE S	SIDE I
1		+5V	MIRV PWRF INIT L	45V	MIRV PWRF INIT L A +5V	MIRY PWRF INIT L. A +5V		V) NO CONNECTION	A
		MBA TR SELC L		B MBA TR SELC L	8	MASS DSØ (+) B MASS DS			B MASS DSØ +
		MBA TR SELA L	MCPB DT GO L MBA TR SELB L	C GND D MBA TR SELA L	MCPB DT GO L C GND	MCPB DT GO L C GND	GN GN		C
		BUS MBA INT BIS H		E BUS MBA INT BIS H	MSIC UNJAM L E BUS MBA INT BIS H	MASS OCC (-) D MASS O	BA INT BIS H	SS OCC +	D MASS OCC -
	BUS MEA INT BIZ H F 8	BUS SEI BIS L		F MDPV REC MB SCLK H	BUS MBA INT BIS H F MOPY REC MB SCLK H		C MB SCLK H		F
		302 281 812 L	GND	MDPA RUN H	GND H MOPA RUN H	GND H MDPA			H GND
		BUS SBI BIS L	Due tobe more board	J	J J	MASS CPA (+) J MASS C	PA (-) MAS	SS CPA -	J MASS CPA +
7 1	BUS MBA INT BIG H K	BUS MBA INT BIS H B	BUS MBA INT BIG H	K BUS MBA INT BIS H	BUS MBA INT BIA H IN BUS MBA INT BIS H		INT BIS H B		K
1		H DW 9K3 312N	WZIE CIK AYTID CWD H		BUS MBA INT BIG H 1 -5V	MASS CIS (-) L -5 MASS CIS (+) M MASS CI		V)NO CONNECTION	L MASS CIS -
- 1		GND.	BUS MBA INT BIT H	GND	BUS MBA INT BIT H N GND	MASS CIA (-) W GND	GN GN	SS C14 +	M MASS CIS + N MASS CM -
		MSIF CLK DIBI H	BUS MBA INT BIS H		BUS MBA INT BIB H P MSIF CLK DIBI H	MASS CI3 (-) P MASS CI			P MASS CI3 -
		MSIF SET CORRECT RD L		R MSIF SET CORRECT RD L	MSIF CLK DIBS H R MDPA EOS H	MASS CIZ (+) R MASS CI			R MASS CIE +
1		BUS SBI BIG L		S MCPA SET MXF L	MASS DIS - SIMASS DIS +	MDPA EOS H S MCPA SE		+ 510 22	- SIG 22AM 2
		BUS SBI BIT L		MCPF REC MB ATTN H	MASS DI3 + U MASS DI3 -	GND T MCPE RI	EC MB ATTN H.		T GND
2		BUS MBA INT BIT H		BUS MBA INT BIR H	+5V MBUS MBA INT BI9 H	+5V VIMIRI SIN	ILLATE OCC H		U MASS DI3 +
	SIDE I	SIDE 5							V (+5V) NO CONNECTION
	11		21pE	SIDE 2	SIDE 1 SIDE 2	SIDE I SID	£ 2	SIDE S	SIDE I
	BUS MBA INT BZO H A		BUS MBA INT BZ H		BUS MBA INT BZO H A +5V	A +5V	(+5		A
		WSIF SET RD SUB L	MIRJ SIMULATE ATTN H	MSIF SET RD SUB L	MASS DI4 - B MASS DI4 +	MBA DISABLE MXF L B			B MASS DI4 -
		BUS 281 BS3 F		MIRD MB EXC+MDPE H	MIRD MB EXC+MDPE H C GND MASS DIS + D MASS DIS -	MIRT SIMULATE ATTN H C GND	JND.		C
		BUS MBA INT B23 H	BUS MBA INT BEI H		BUS MBA INT BZI H E BUS MBA INT BZ3 H	INDIAN WE EVE + WALE H IN	MAS	- 210 22	D MASS DIS +
	F		MCPJ SET MCPE L	MCPB DT CMD H	MASS DIG - F MASS DIG +	MCPJ SET MCPE L F MCPB DT	CMD H MAS	SS DIG +	F MASS DIG -
\dashv		BUS MBA INT BSS H		H BUS MBA INT BEE H	GND H BUS MAN INT BSS H	GND H			H GND
		MSIE CLK ENT READ H. BUS MBA INT B27 H		MCPR DT BUSY L	MASS DI7 + J MASS DI7 -			S DI7	J MASS DI7 +
1	_	BAZ WAY INL BSB. H C	BUS MBA INT 824 H	RUS MBA INT B27 H	BUS MBA INT B24 H K BUS MBA INT B27 H BUS MBA INT B25 H L BUS MBA INT B28 H	MCPH REC MB FAIL H K MCPB DT	BUZA F C		4
	BUS SRI B24 L M	MSIK HOLD TR H	MSIK HOLD TR H	A STATE SCORE	MASS DPA - MI MASS DPA +		. 1116	.C + DDA - ±	M MACC DOL
l	BUS SBI BS5 L W	GND	MCPA REC MB EXC H	GND	MCPH REC MB EXC H IN GND	MCPH REC MB EXC H N GND	GND		M MASS DPA -
1		BUS SBI B27 L			MASS SPI + P MASS SPI -	P			P MASS SPI +
	BUS MBA INT 836 H R	BUS MBA INT BZ9 H		BUS MBA INT BER H	BUS MBA INT BZ6 H R BUS MBA INT BZ9 H	MASS INIT (+) R MASS IN	IT (-) MAS	S INIT -	R MASS INIT +
		BUS 281 BS8 L		MDPT WCK LOWER ERRH	BUS MBA INT B36 H S MDPT WCK LOWER ERR H	MASS RS2 (-) S MASS RS		S RSS +	S MASS RSZ -
,	BUS SBI B34 L U	BUS SBI 831 L		MIRF GR TST L	MDPF SCLKS H U MCPB DT BUSY H	MASS RSI (-) U MASS RS	ABORT INM H		T GND
ł	+5V V 8	BUS MBA INT B31 H		BUS MEN INT BE H	+5 V V BUS MBA INT B31 H	+5V M MCPB DT			U MASS RSI - V (+5V) NO CONNECTION
	REVISIONS			1	11 11	13 4 MICI 8 DI			TI CTOV JRU COMMECIZON
o	K CHANGE NO. REV.		*				()	MBA ETCHED BA	ACKPIANE)
;				н —			TITLE MASSBUS A	DAPTER SIZE	CODE NUMBER RE
		·					BLOCK DIAG	RAM	BD RH78Ø-Ø-3
- ا	# im - 0	7						7 3 0 4 DIST.	
2	*** 8			6	5. 1 4	3		2	

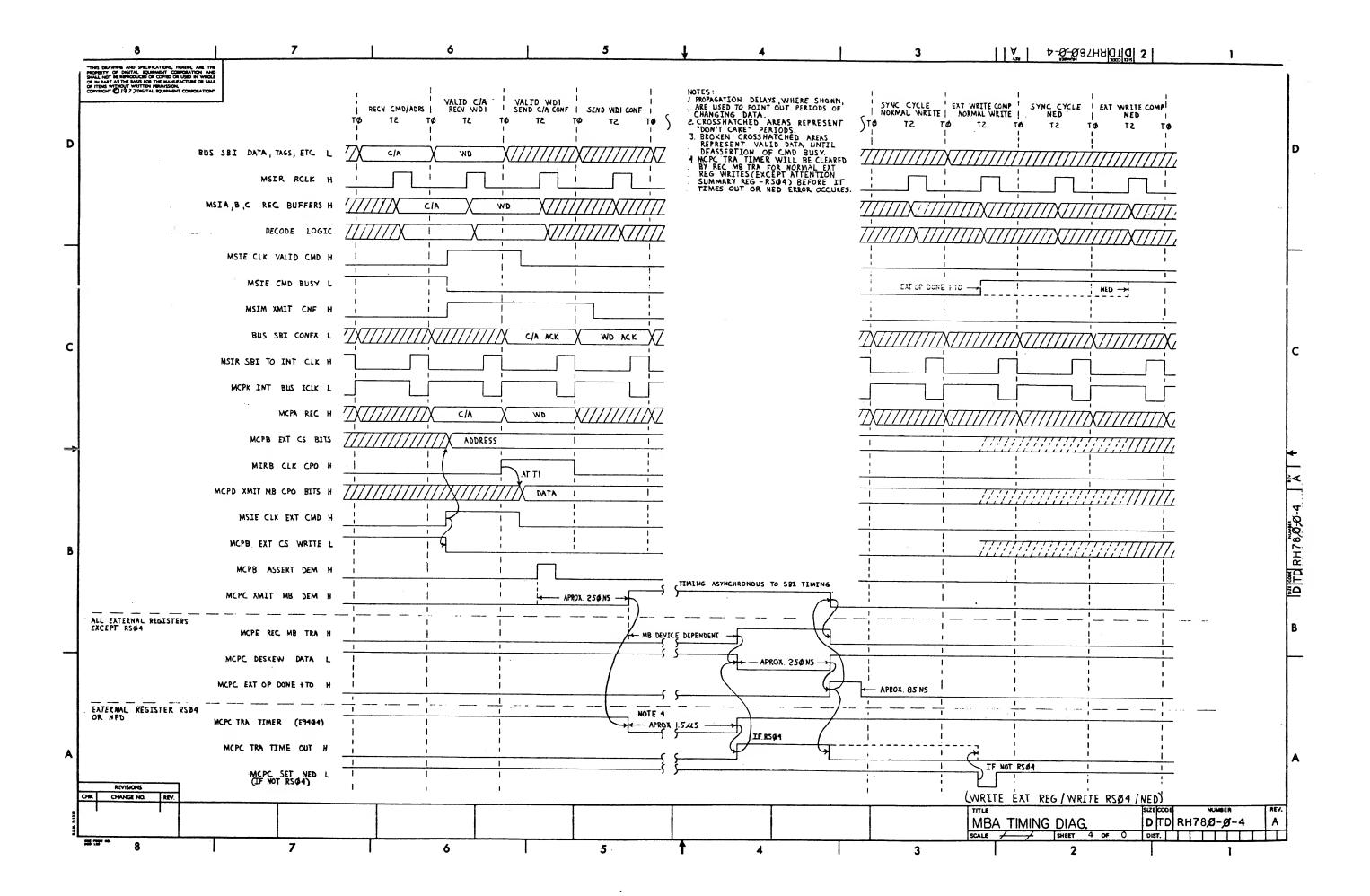
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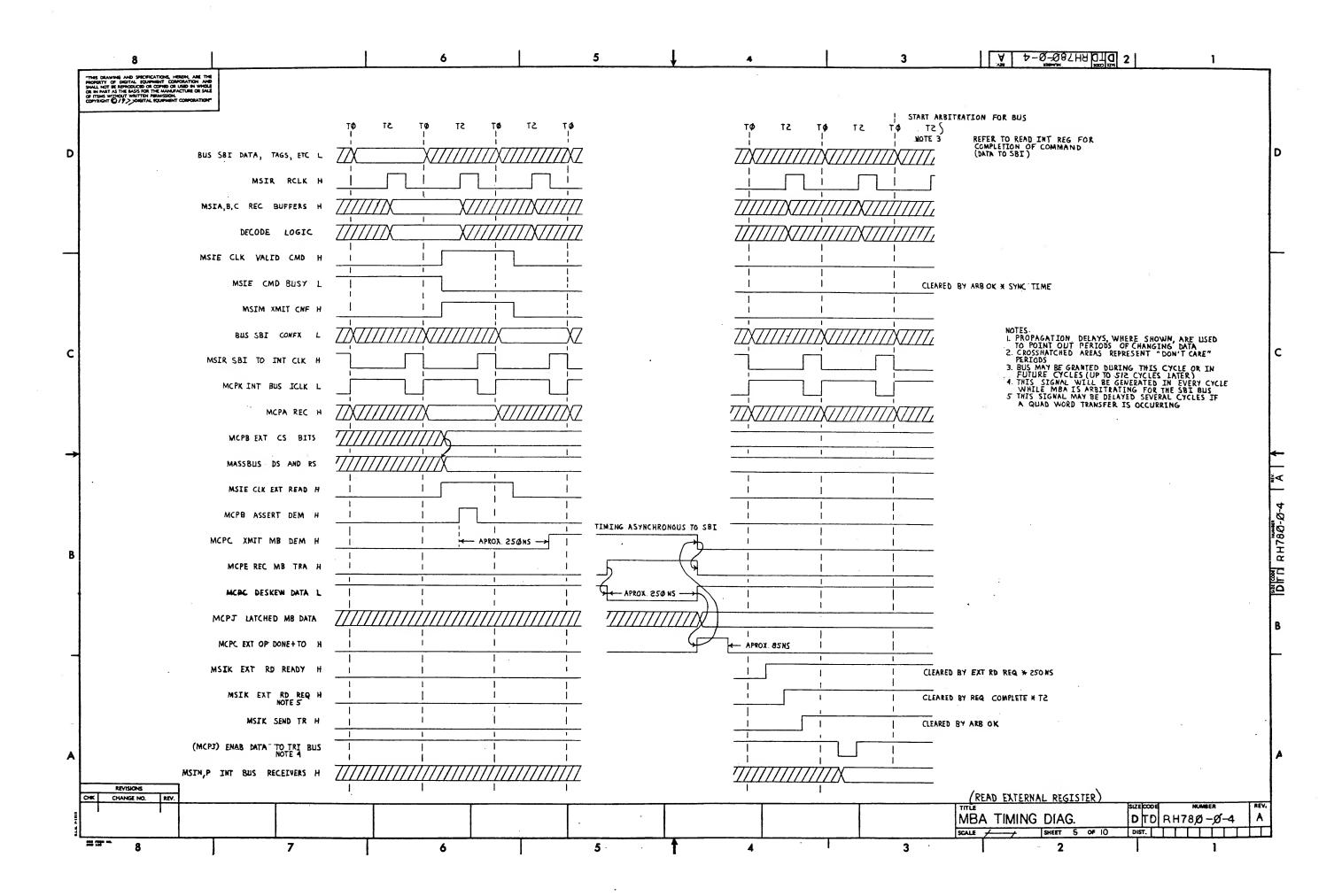
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	THE, DRAWING AND SPECKETCHE, HEREM, ARE THE HOPEITY OF DIGITAL COUNTRY! TOORGRATION AND MALL NOT BE REPROJECTION OF COPING ON USES IN WINDLE BY HE AND THE BASIS FOR THE MANAGEMENT OR SALE IN THEM THE PARTY WHITTER HERMISCON. OPPRICHT © 777 DIGITAL EQUIPMENT CONFORMTON!								HOTE: THIS COMMECTOR CARE THE PIN SIDE OF T SIDE I PINS AND SIS REVERSED.	HE BACKMUEL
Γ	SLOT MSI	į.	MIR Slo	7 &		DP OT 3	M ^o Su	C.P ot 4	MASSBUS PA	DOLE CARD OT 5
	MIRC INTERRUPT CPU L A	SIDE 2	SIDE I	SIDE 2	SIDE I MDPF LAST MB DATA H	SIDE 2	SIDE 1	SIDE S	SIDE 2	SIDE I
	BUS SBI MO L B		MIRC INTERRUPT CPU L		MASS EBL +	B MASS EBL -	MDPF LAST MB DATA H	A +5V B	(+5V) NO CONNECTION	B MASS EBL +
		GND	MIRE MB MAINT MODE H K	MOPT WCK UPPER ERR H	MIRE MB MAINT MODE H	C GND D MOPT WCK UPPER ERR H	MIRE MB MAINT MODE H		GND	C 202 E85 +
ı	Ε		MIRJ DIAG MDIB SEL H	MIRD MB DATA+WCK ERRL		E MIRD MB DATA + WCK ERR L	MASS RSØ (+)	D MASS RSØ (-) E MASS EXC (+)	MASS RSØ - MASS EXC +	D MASS RS# + E MASS EXC -
		BUS SBI PO L		MIRJ SIMULATE EBL H	MSIK CMD REQ L	H MIRT SEI BYTE CATE OF H	MASS CII (+)	F MASS CII (-)	MASS CII -	F MASS CII +
	J.		MIRH MB BYTE CHTR-PL	MIRT SIMULATE SCLK H		J MIRJ SIMULATE SCIR H	MASS CIO (-)	MMIRH SBI BYTE CNTRED IT MASS CIO (+)	MASS CID +	J MASS CIO -
C		ASIJ SET N/R CHF L ASIJ SET ERROR CHF L		MSIJ SET NIR CNF L D	MASS DØ6 -	K MCPB DT FWD H	MASS (09 (+)	K MASS CO9 (-)	MASS CO9 -	K MASS CO9 +
	BUS SBI TAGO L MA	MSID WRITE DATA L	/	MSID WRITE DATA L	MASS DOT +	IN MASS D67 -	MSIK SEND TR H	L MCP8 DT FWD H	MASS DOG +	L MASS DOG -
		GND BUS SBI IDØ L	MIRV MB FAIL L MIRD SBI ABORT IMM H	GND	MSIR STROBE MAP H	M GND P MASS DØ8 +	MIRV MB FAIL L	N GND	GND	V
	MSIR STROBE MAP H R		MSIR STROBE MAP H	MCPA SET DT ABORTED L	MASS DOP +	R MASS DO9 -	MIRD SBI ABORT IMM H	R MCPA SET DT ABORTED L	MASS DOB +	P MASS D68 -
l	MSIR INT BUS OCLK H SI B	BAZ ZBI IDS F	GND 1	MSIR INT BUS OCLK H	MASS DIO -	S MASS DIE +	CND	<u>ت</u> .	MASS DIG +	S MASS DIØ -
		BUS SBI ID4 L			MASS 011 +	U MASS DII -	GND	T MSIR INT BUS OCIK H	MASS DI/ -	U MASS DII +
	SIDE I	SIDE Z	SIDE /	MCPK INT BUS ICLK L		V MCPK INT BUS ICIK L	+5V	V MCPK INT BUS ICLK L		V (+5V) NO CONNECTION
		+5V	MSIH PARITY FLT H	SIDE S	SIDE	SIDE 2	SIDE I	SIDE S	SIDE 2	SIDE I
	BUS SBI REQ4 L B M	ISTH UNEXP RD FLT H	MOPF GATED SCLKITS H		MOPF GATED SCLKITS H	A +5V	MASS (06 (-)	A +5 V B MASS CØ7 (+)		A MASS COG - B MASS COG +
		GND BUS SBI REQ7 L		MDPK DATA OVERFLOW H	MAPK DATA LATE H	C GND	MASS CØ7 (-)	C GND	GND	C MASS COT -
	MSIR INT DIF TI CLK HE M	ISTR INT DIF TI CLK L	MSIR INT DIF TI CLK H	MSIR INT DIF TI CIK L	MSIR INT DIF TI CLK H	D MOPK DATA OVERFLOW H E MSIR INT DIF TICK L		D MASS COB (+) E MSIR INT DIF TI CLK H	MASS COB +	D MASS COB -
		BUS SBI TP L BUS SBI PCLK H	GND H	MIRB CLK CPO H	MASS RUN + GND	F MASS RUN -		F		F MASS RUN +
	BUS SBI PCLK L J B	SUS SEI POCK H		MDPA CMD CONDITION H	MASS WCTK -	H MASS WCLK +		H MIRB CLK CPO H	MASS WCLK +	H GN)
Ε	MSIR INT DIF T3 CLK H L M	SUS SBI POCLK L	-5V K	MIRP DIAG REG REQ H	-5V MSIR INT DIF T3 CLK H	K MIRP DIAG REG REQ H	-5V	K MASS CTOD (+)		MASS WCLK -
	MSIH WRITE SEQ FLT H MM	SIH MULTI XMIT FLT H	MSIH WRITE SEQ FLT H	MSIH MULTI XMIT FLTH		MSIR INT DIF TO CUE L	MASS RS4 (-)	L MSIR INT DIF T3 CLK L M MASS RS4(+)	MASS RS4 +	M MASS RS4 -
		GND ISIH XMITTED FLT H	MIRT INV MEDATA PAR H W	MSIH XMITTED FLT H	MIRJ INV MBDATA PAR H MCPB DT READ H	M GND	(+) MITA 22AM	M GND	GND .	N MASS ATTN +
	MSIR INT DIF TO CLK H K MS	SIR INT DIF TE CIK L	MSIR INT DIF TO CLK H R	MSIR INT DIFTS CLK L		R MSIR INT DIF TO CULL	MCPB DT READ H	P MASS ATTN (-) R MSIR INT DIF TZ CLK H	MASS ATTN -	P
	MSIN SET IS TIMEOUT L S B GND T B	US SBI CNFO L	MSIN SET IS TIMEOUT L S			S MCPA BLOCK SEAD CMB L	MASS RS3 (+)	S MASS RS3 (-)	MASS RS3 -	5 MASS R53 +
	BUS SBT FAULT L U M	SIR INT DIF TO CLK H	MCPC SET WED L. U	MSIR INT DIF TO CLK H	MASS SCLX +	T MASS SCLK - U MSIR INT DIF TO CLK H		T MCPA BLOCK SEND CMD L U MSIR INT. DIF TO CLK H	MASS SCIK -	T GND U MASS SCLK +
		SIR INT DIF TO CLK L		MSIR INT DIF TO CLY L	+5V	V MSIR INT DIF TO CIK L	+5V	WSIR INT DIF TO CLK L		V (+5V) NO CONNECTION
	MSI'H SET RD TIMOUT LA	SIDE S	SIDE 1	SIDE 2	SIDE 1	SIDE S	SIDFI	SIDE 2	SIDE 2	STDF I
	MDPL BYTE MASKI-3 H B M	IRD IS TIMEOUT H		H5V MIRD IS TIMEOUT H	MDPL BYTE MASKI-3 H	A +5V		A +5V		A MASS COS +
		+15.A GND	BUS SBI TROIL C	GND	MDPL BYTE MASKI-S H	C GND	MASS CØ5 (-) MASS CØ4 (+)	B MASS (Ø4 (-)	MASS CO1 -	B MASS COS - C MASS CO4 +
	MOPL BYTE MASKI-O H F M	IRD RO TIMEOUT D	BUS SBI TROS L D BUS SBI TROS L E	MIRD RD TIMEOUT H	MOPL BYTE MASKI-1 H		MCPH REC CTOD H	VSI+ Q	(+12 V) NO CONNECTION	D
	MSIF READ DATA PEND L F M	SIJ WDZ ACK H	MIRU AMIT TR L F	BUS SBI TRØ4 L	MSIF READ DATA PEND L	F MSIJ WDS ACK H		E MASS (Ø3 (+) F MSIJ WDZ ACK H	+ ED) 22AM	F MASS COS -
	J	· · · · · · · · · · · · · · · · · · ·		BUS SBI TRØ5 L BUS SBI TRØ7 L		HIMCPB DT WRITE CK H	GND	MCPB DT WRITE CK H		H GND
F	MIRV ARBOX L K M. MCPC EXT OP DONE + TO H L	SIK EXT RD REQ L F-	MIRV ARB OK L K	MSIK EXT RO REQ L	MASS DOI +	K MASS DOI -	o <u></u>	MSIK EXT RD REQ L		- 660 22AM L
		SIK INT RO REQ H	+SV PS AC LO H L BUS SBI TROB L M	-5V PS AC LO H MSIK INT RD REQ H	MASS DØ2 - + EØD SZAM	M MASS DOS +	MCPC EXT OP DONE TO H		MASS DES +	L MASS DES -
	N P	GND	BUS SBI TROP L N	GND	MCPB DT WRITE H	N GND	MCPB DT WRITE H	GND	_ EDD 22AM	M MASS D43 +
		IRP SET CMD READY L	MSEK SEND TR HOLD H R	BUS SBI TRII L MIRP SET CMO READY L	MASS DOS +	P MASS DØ4 + R MASS DØ5 -			MASS DO 1 +	P MASS DE4 -
		DPL BYTE MASKS-3 H	+5V PS OC LO H S	BUS SEI TRIZ L	MSIL ENAB WDS MUX H	H E-SHARM BYE HOOM S	MASS COR (-)	MASS COD (+)	MASS C66 +	R MASS C66 -
	MOPL BYTE MASKS-I H U M	IDPL BYTE MASKS-OH		BUS SEI TRIS L	MOPL RYTE MASKS-1 H	U MOPL BYTE MASK2-0 H	MICS COLL (2)	MASS COI (+)	MASS COI +	T GND
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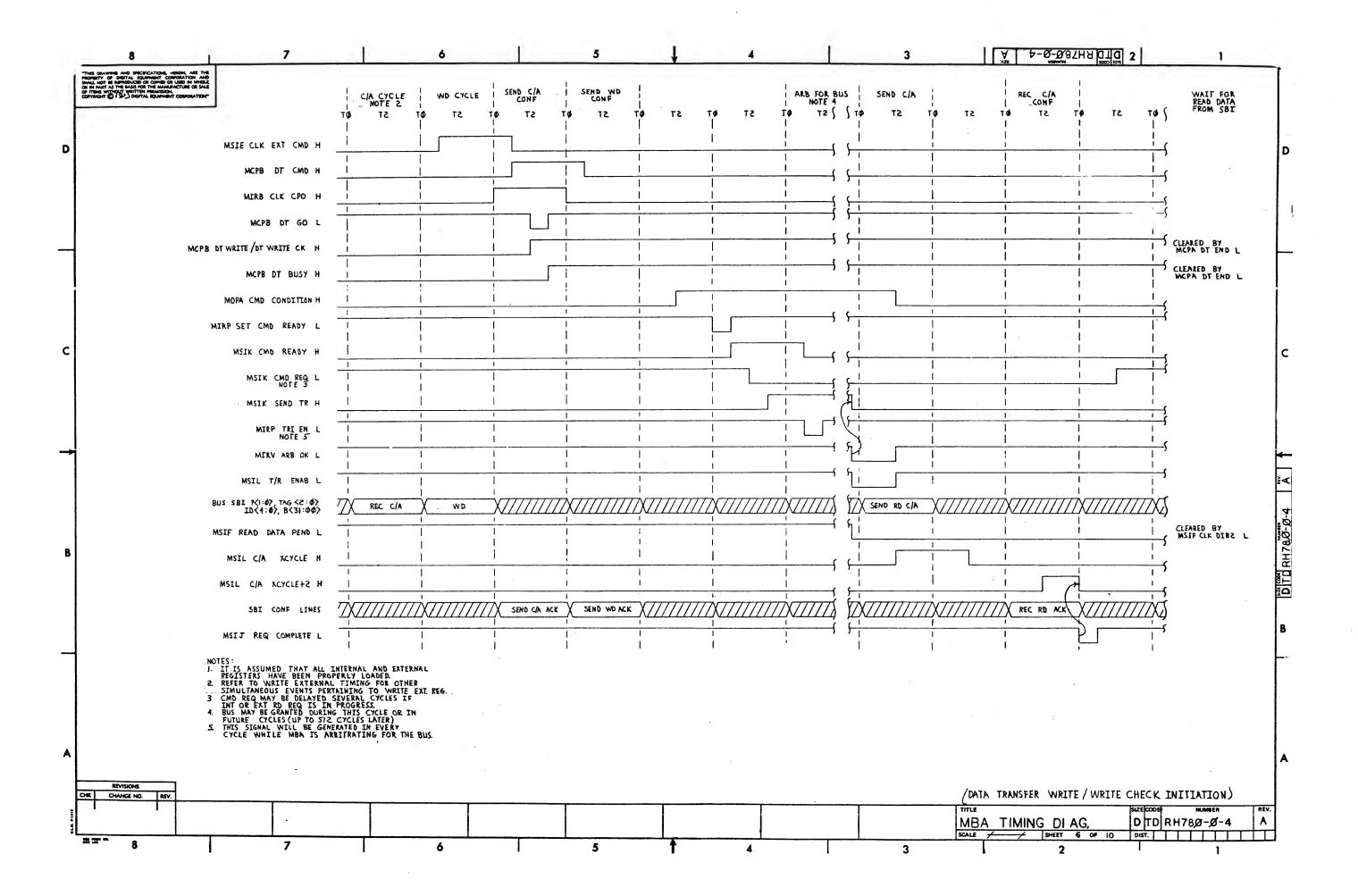


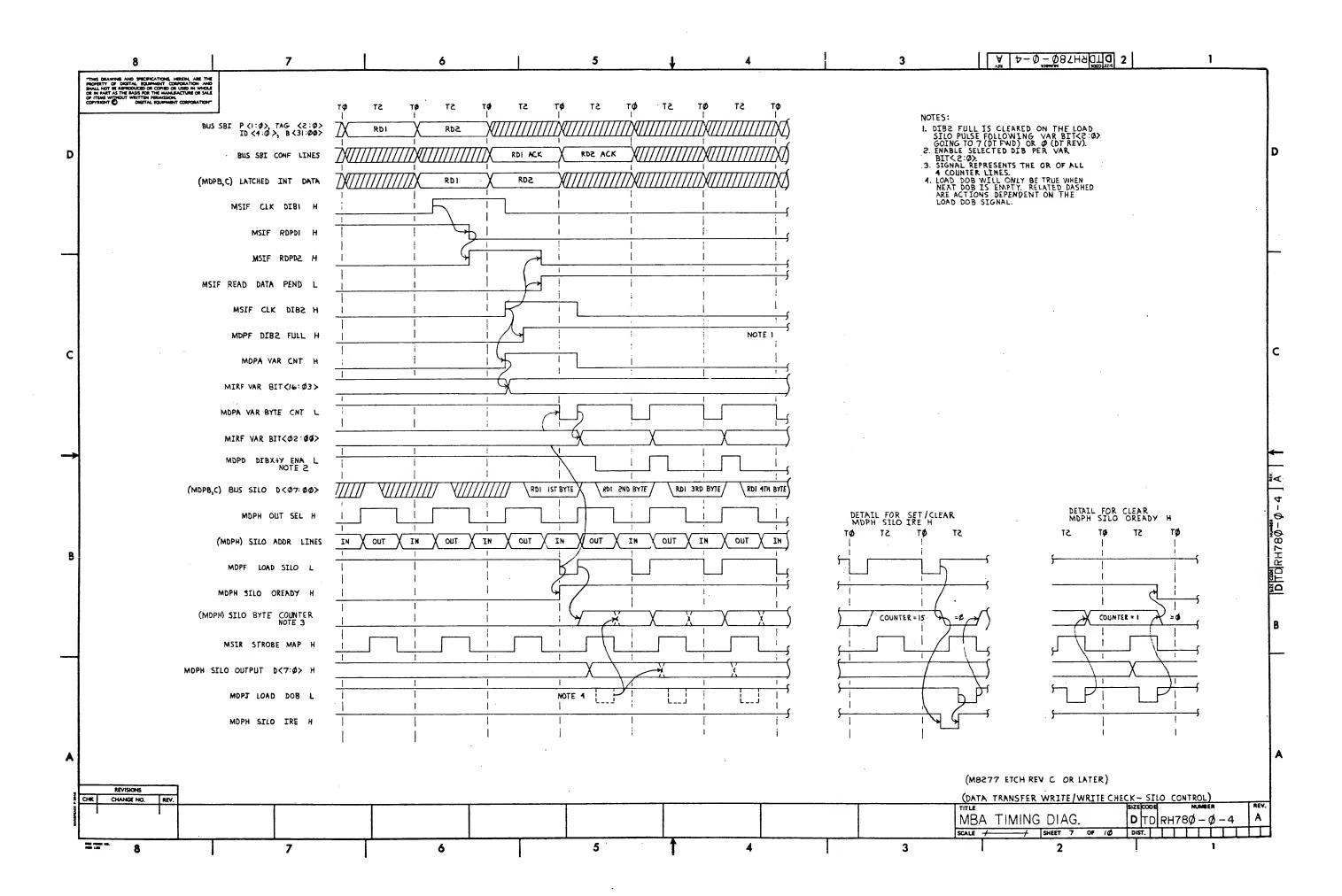


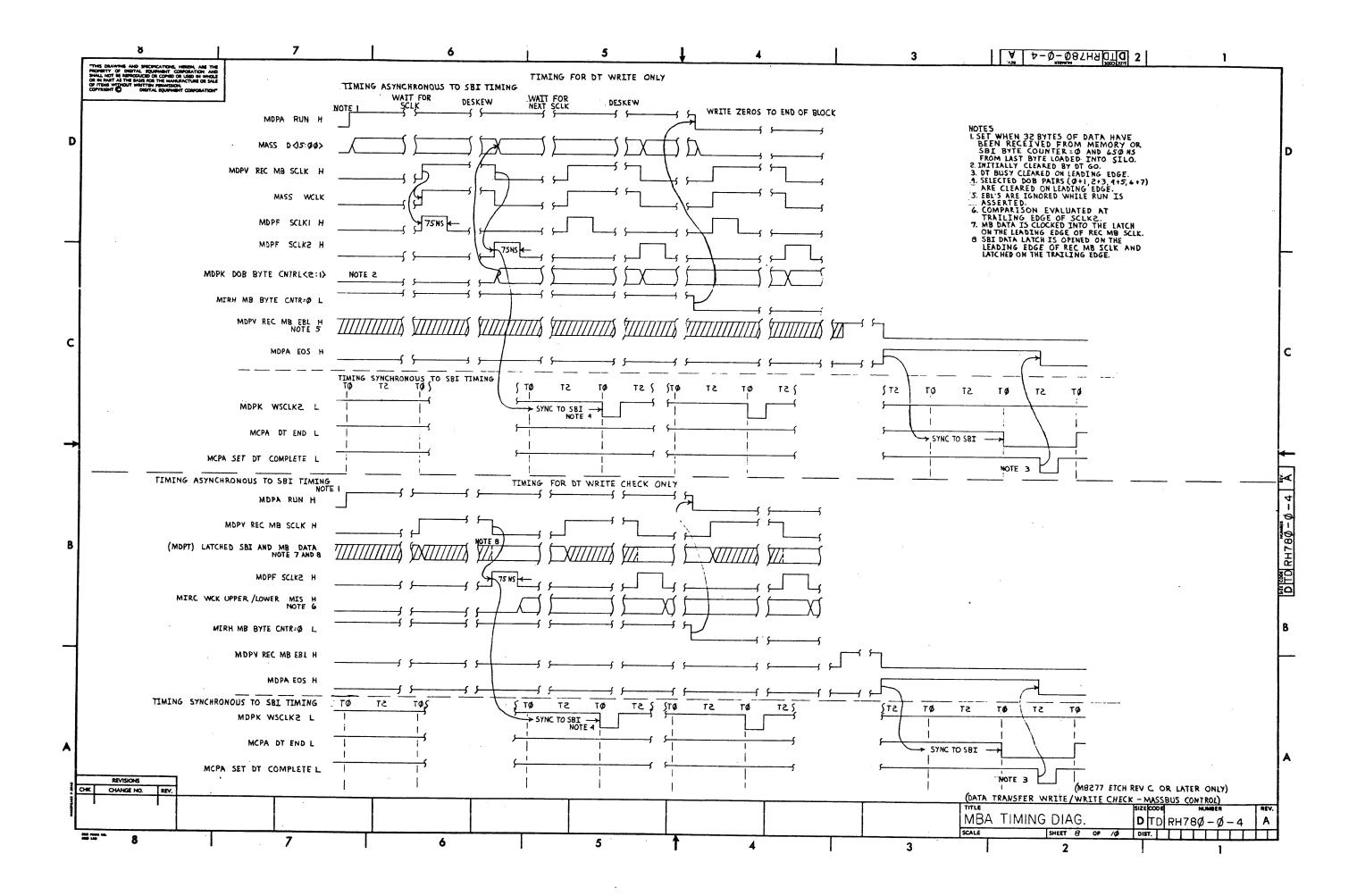


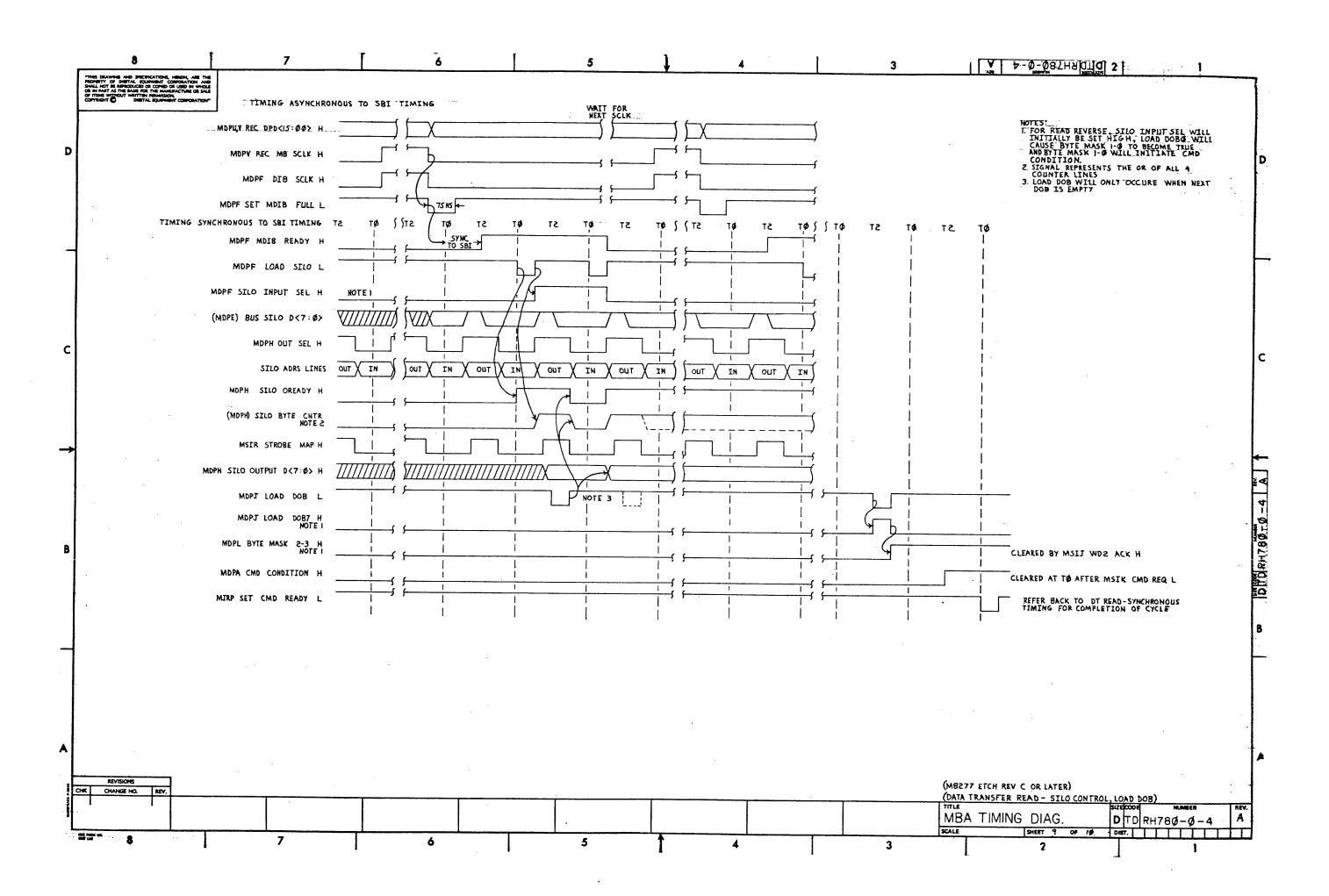


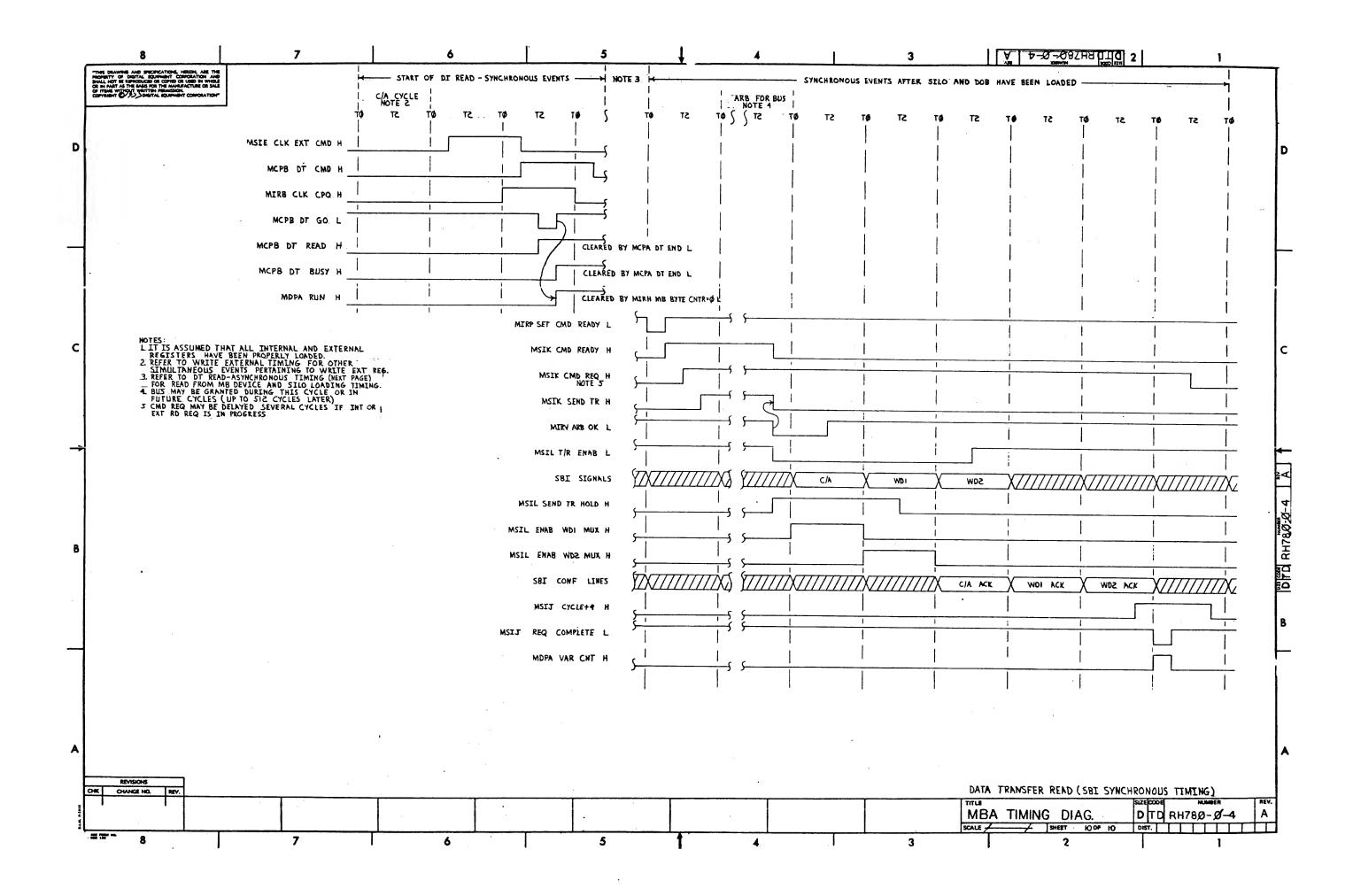


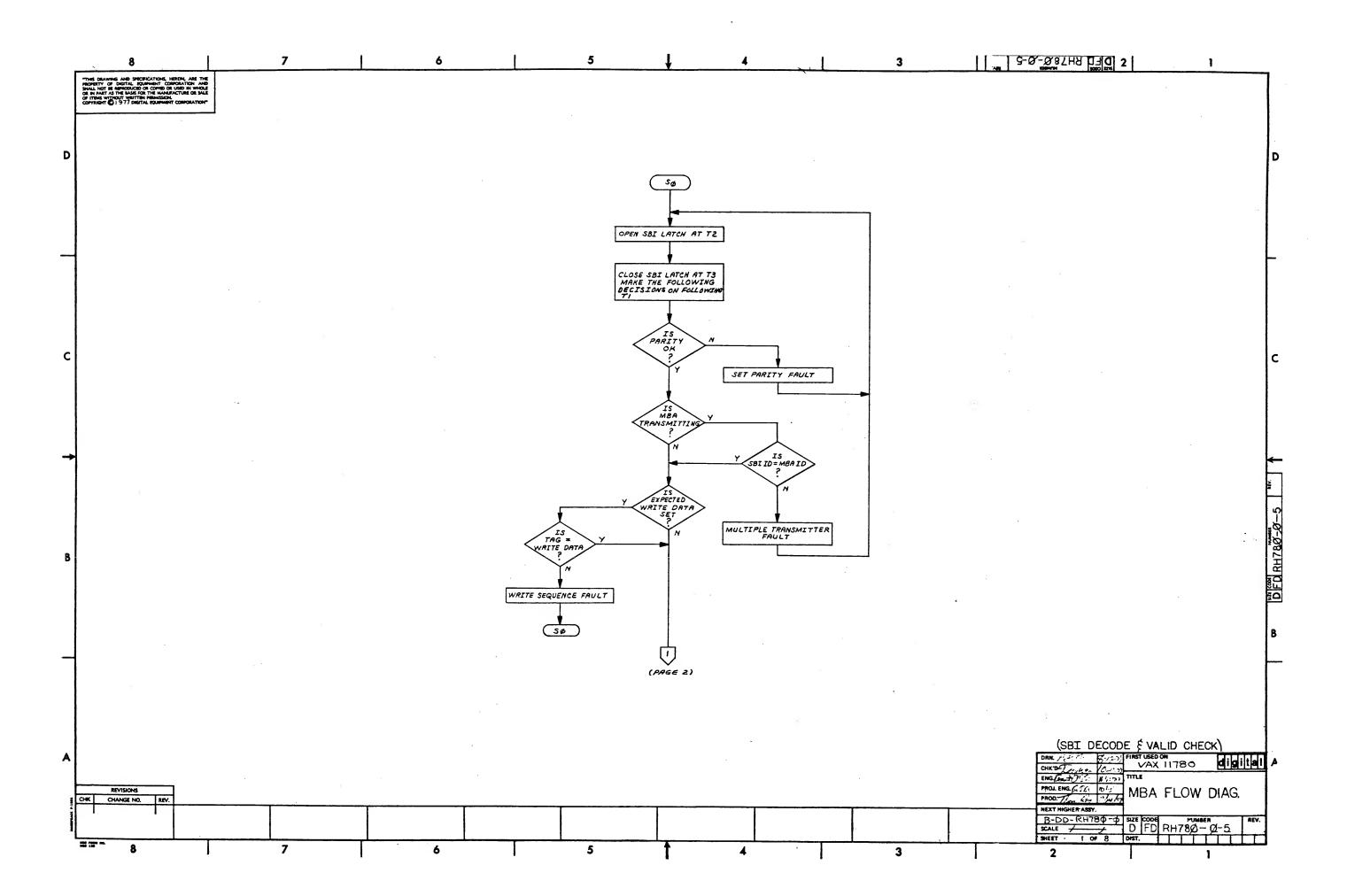


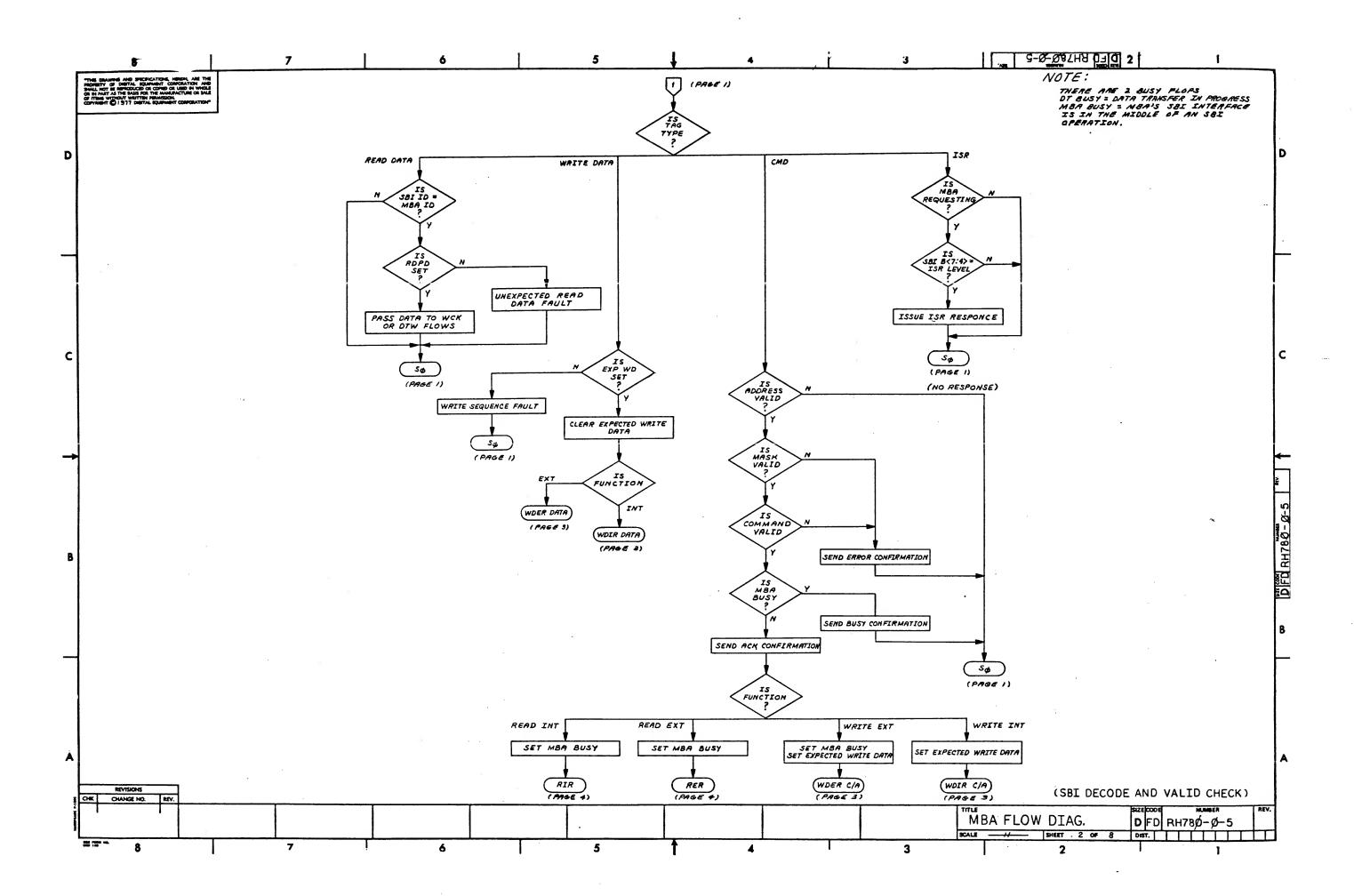


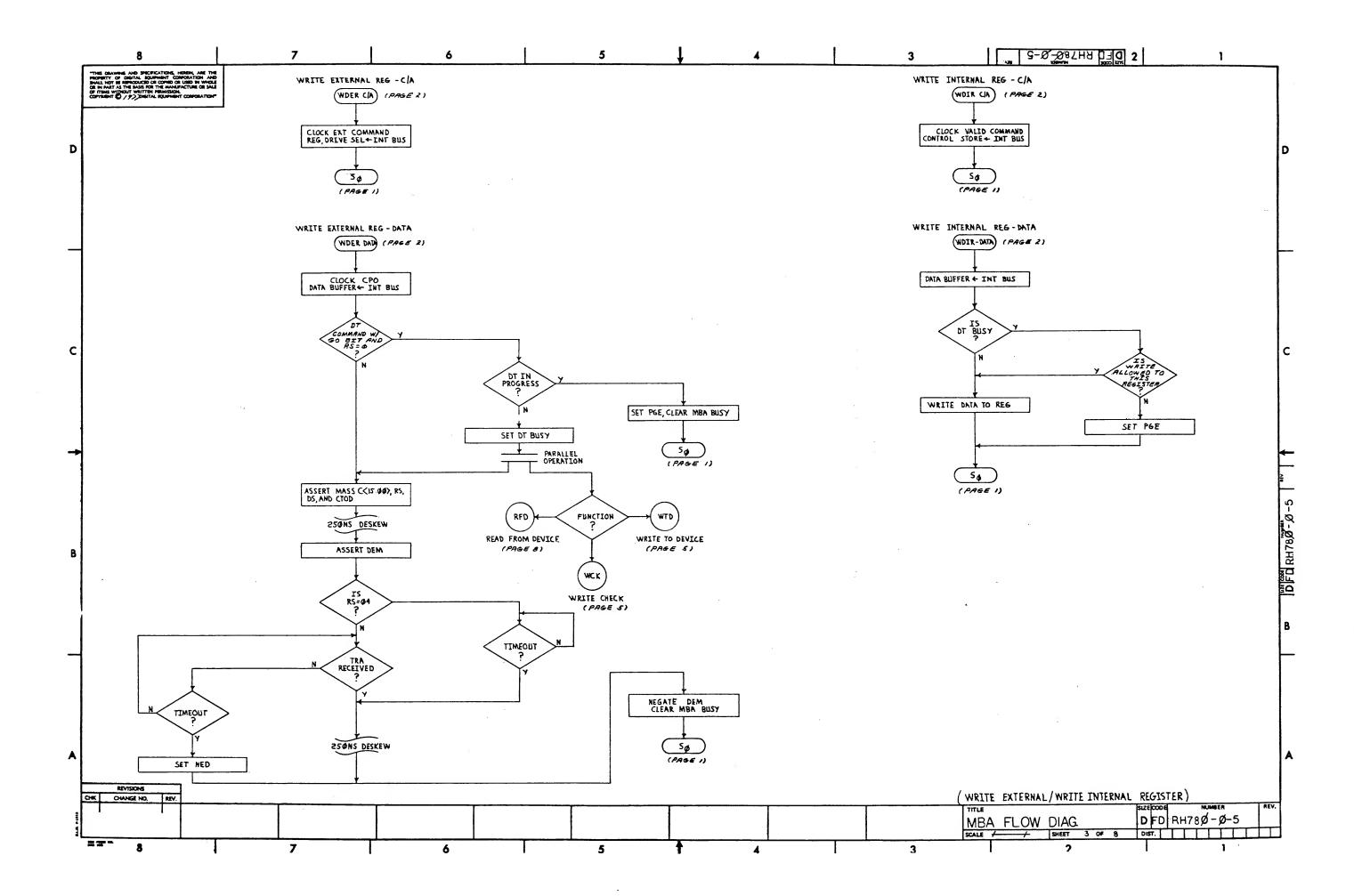


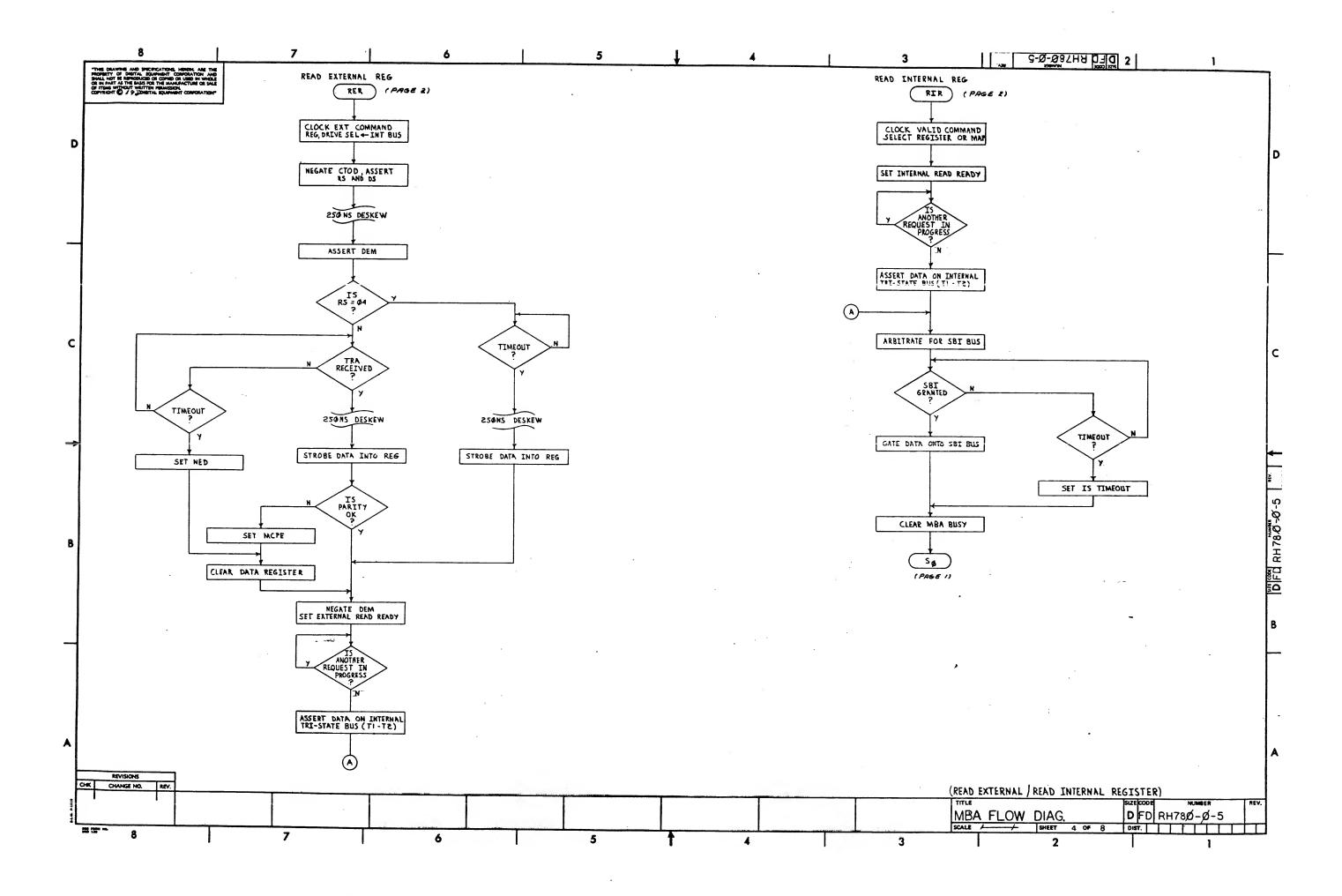


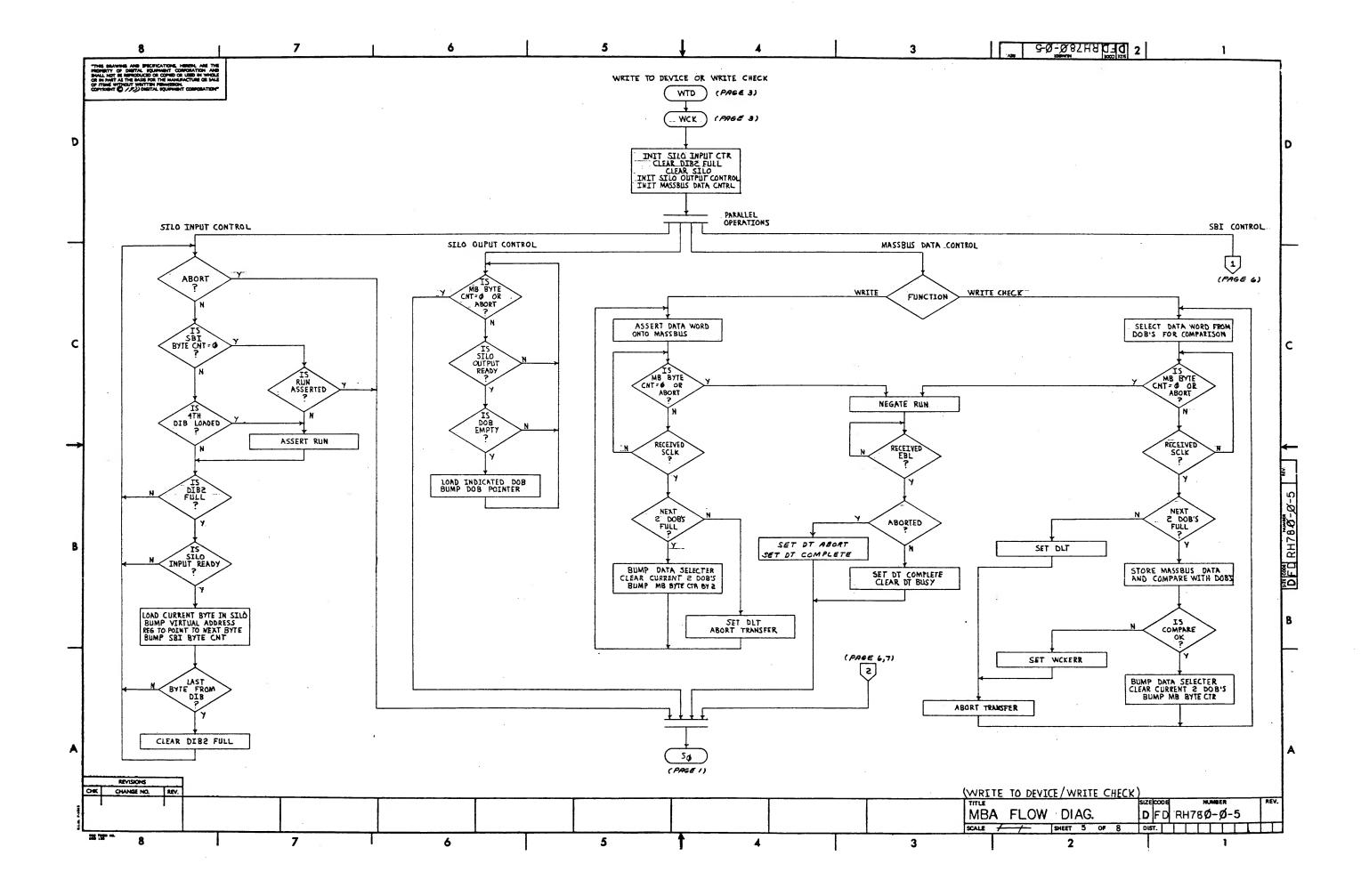


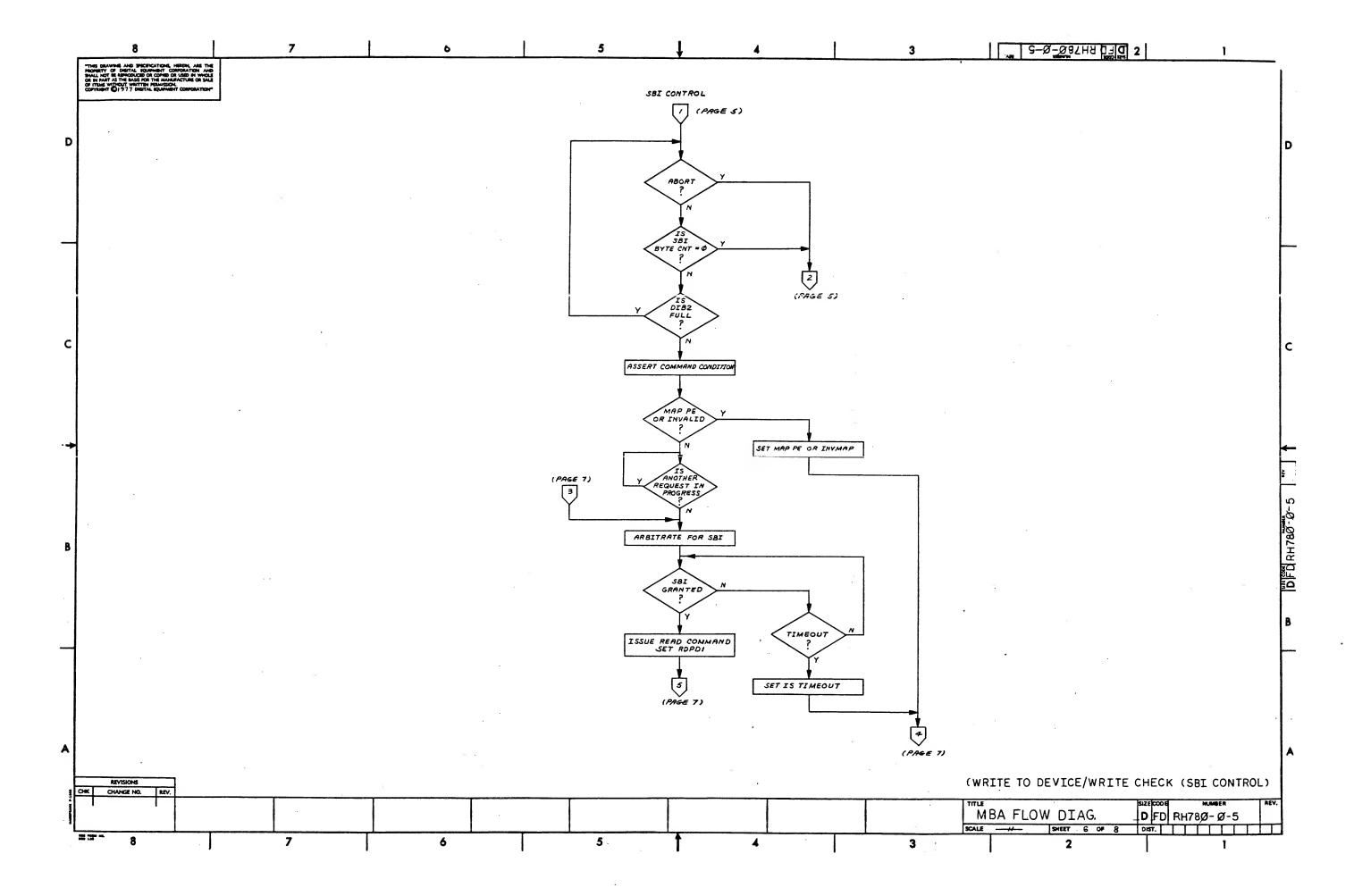


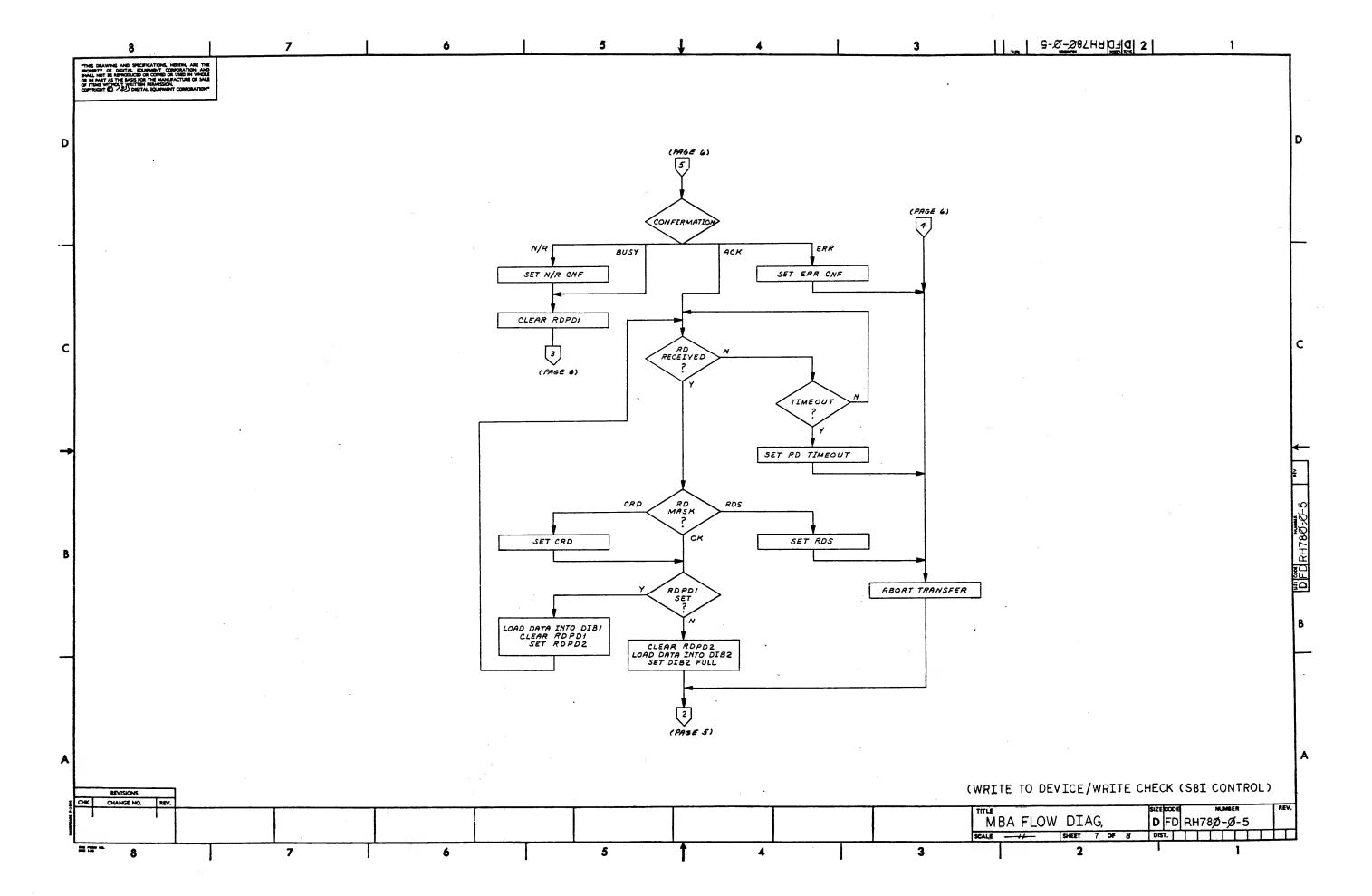


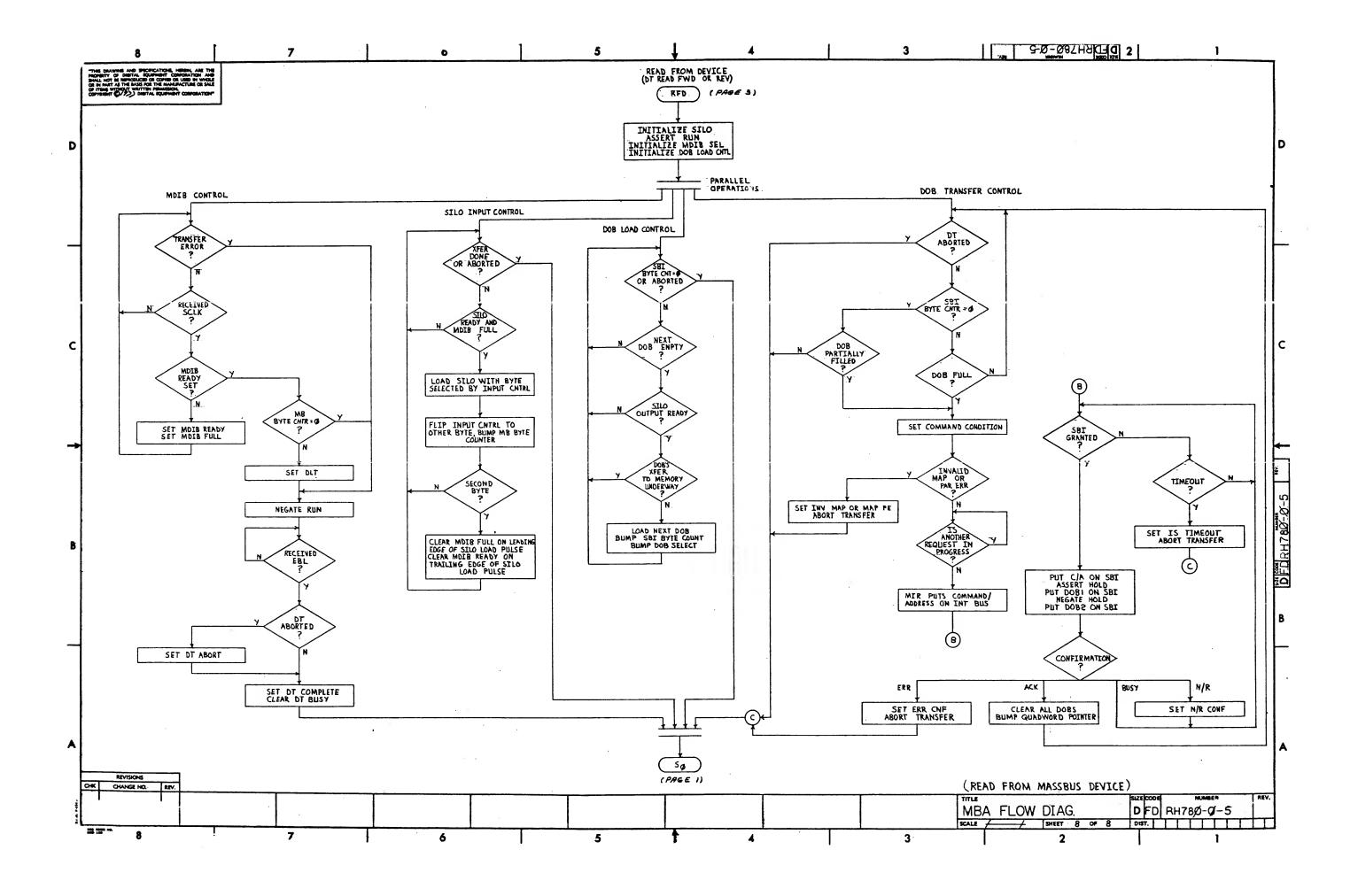




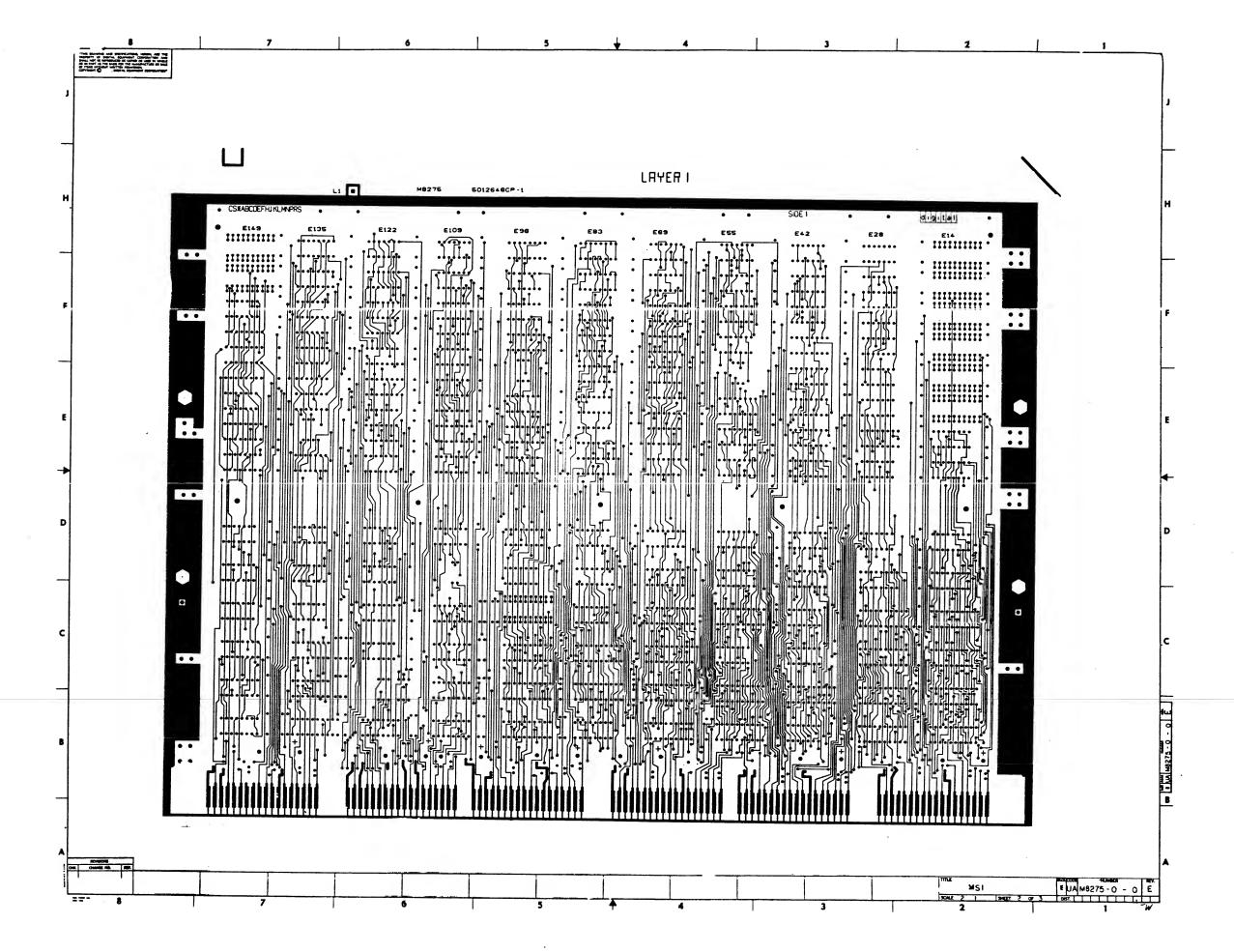








digital E137 E135 E36 E103 E42+ E20 E54+ E92+ E134 £95 E60 E108 E2# + E121 - + E66 E133 E120+ E53 + Ş+**3**+4 + E119 F+ E93 + E1-46 E132+ E90, E0.5 825 SPERT. E131 E145 £36 E24 3 E 1 0 \$ +E78 E63 + + = ==== £144 + E37 E23 E102 | | | + E36 E50+ E143 . . +E0 £22 ++ £ 76 E125 E115 E62 E21 \$ £1.01 E34 E34 E34 . +E128 E114 Ę7**S** E61 €+ E20 + + + + + £14**#** E127 + E19 £5 + \oplus $+_{\mathsf{B}}$ Eso + 81.00 E78 E59 E32+ £109 + 5⁺ +±+ £130 E15+++ ++E#24



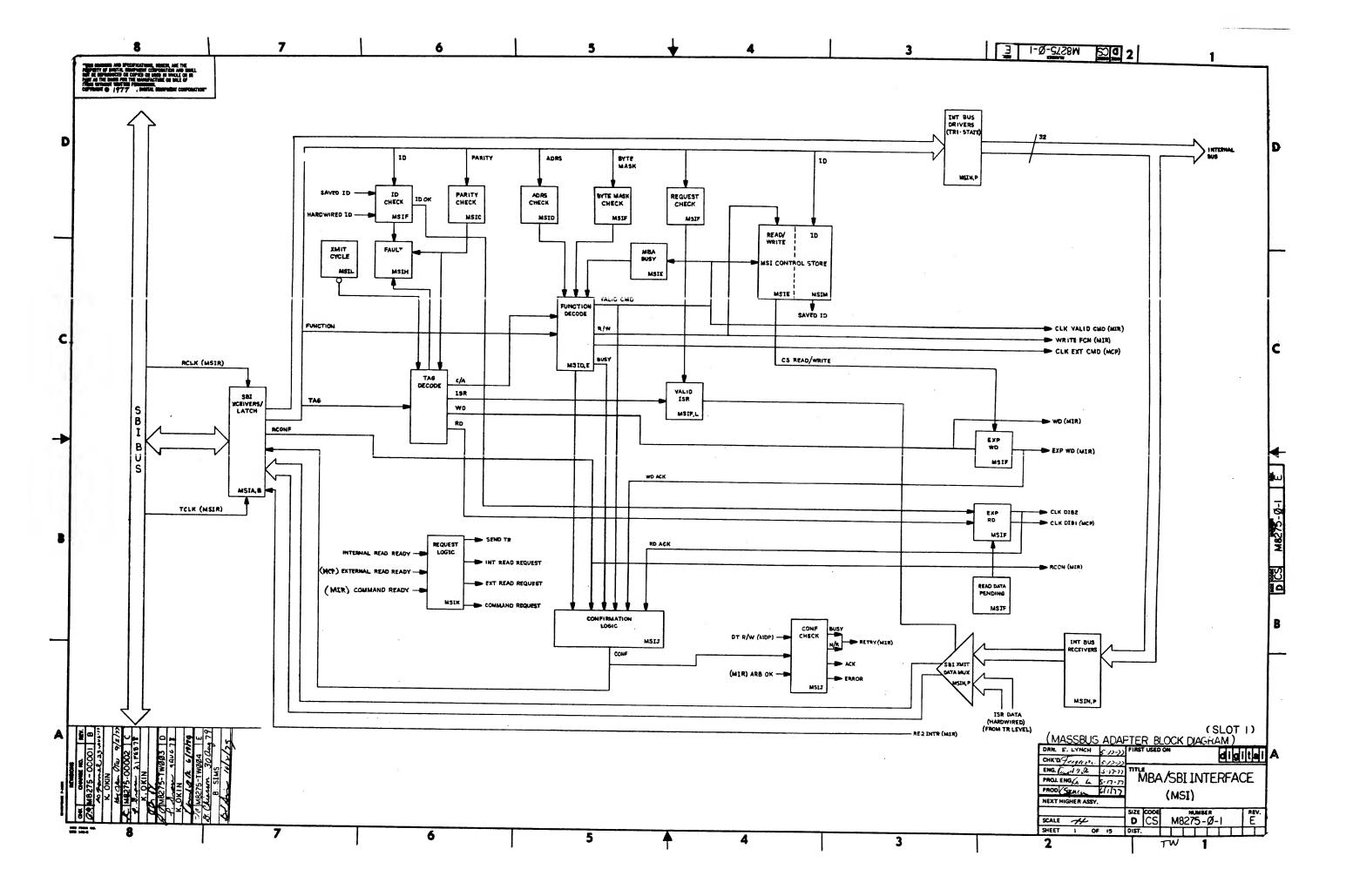
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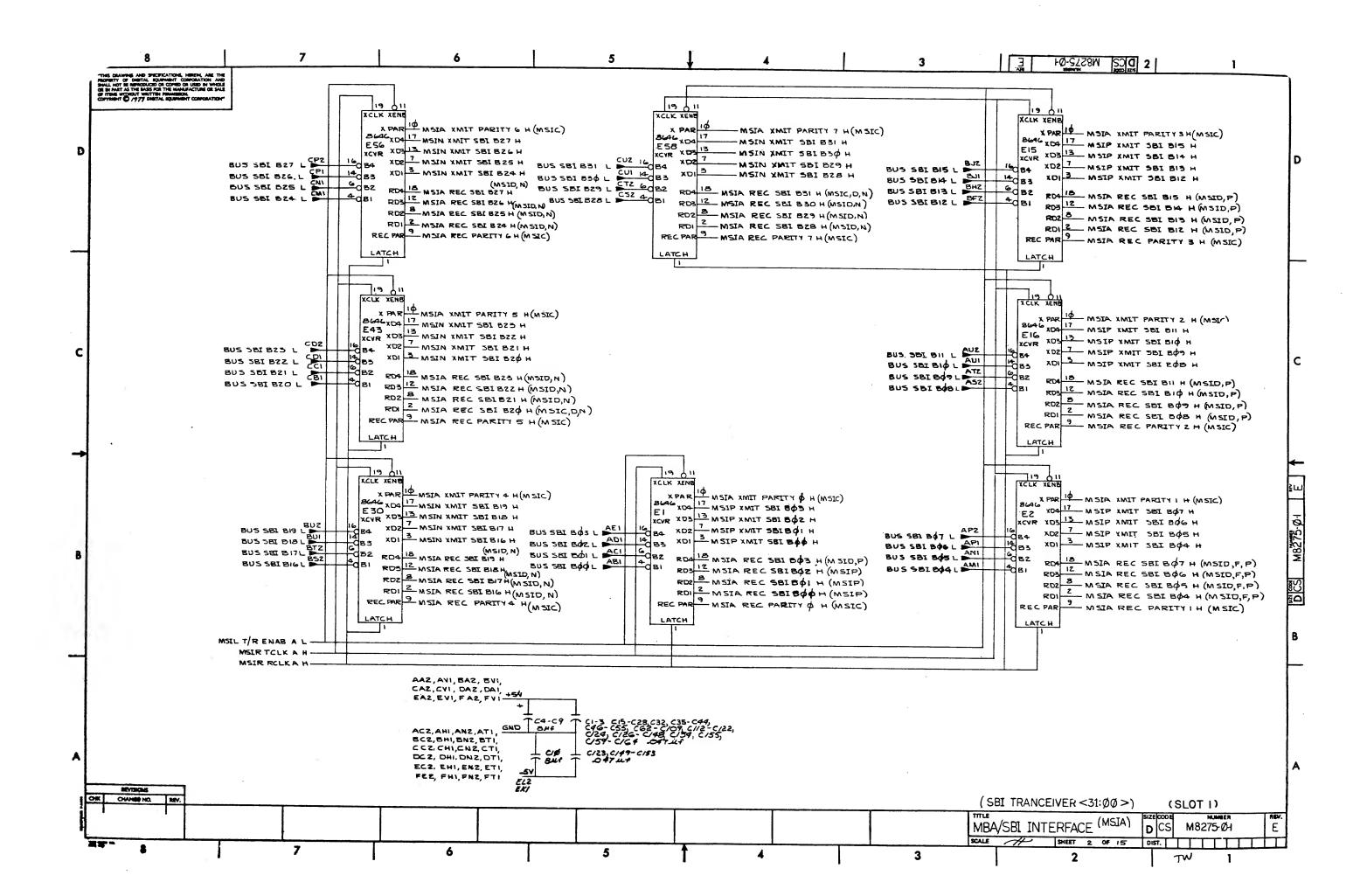
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	. 22	22						475-00		745138				3		ı	E61,E7	4,E76		
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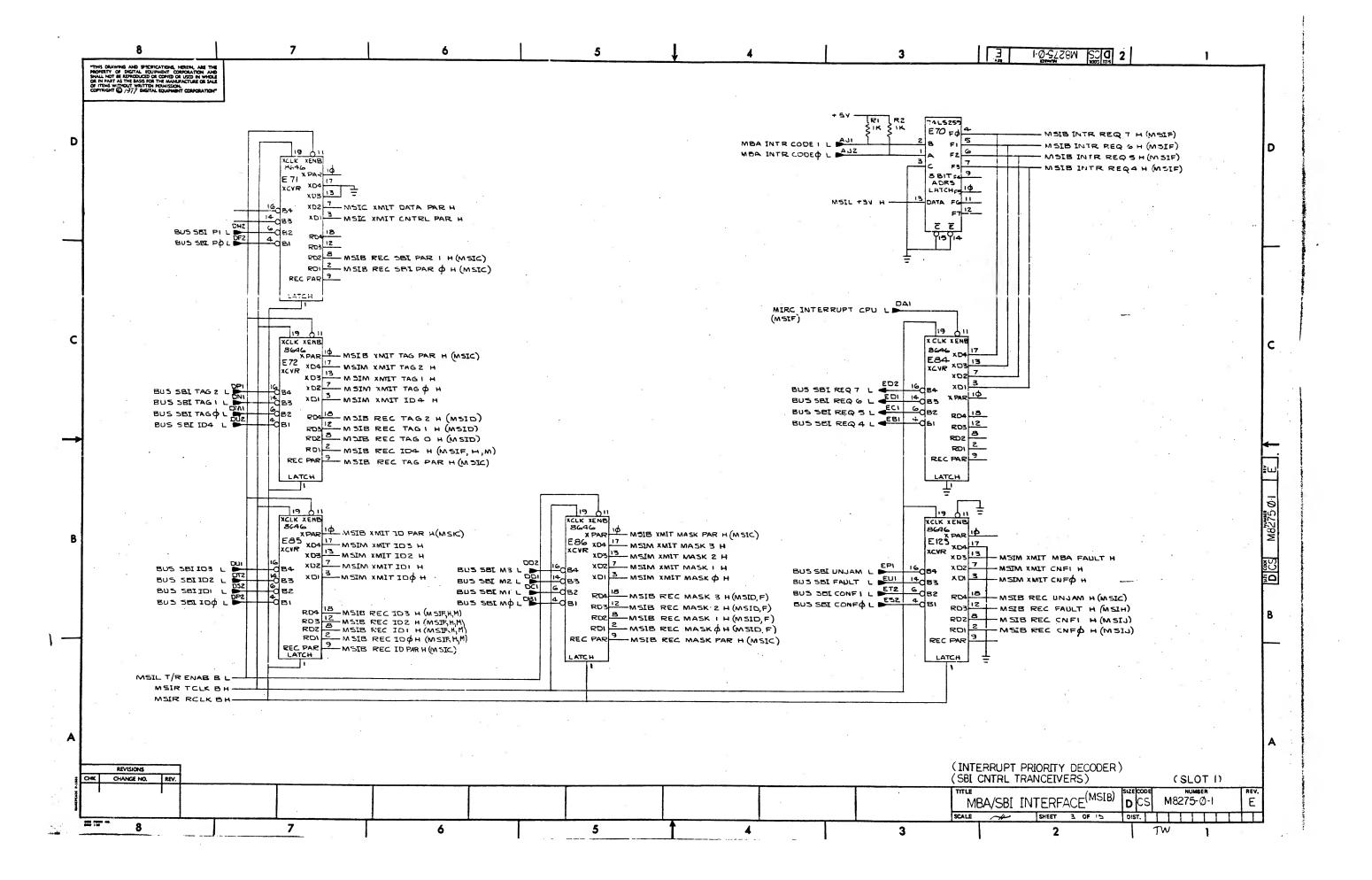
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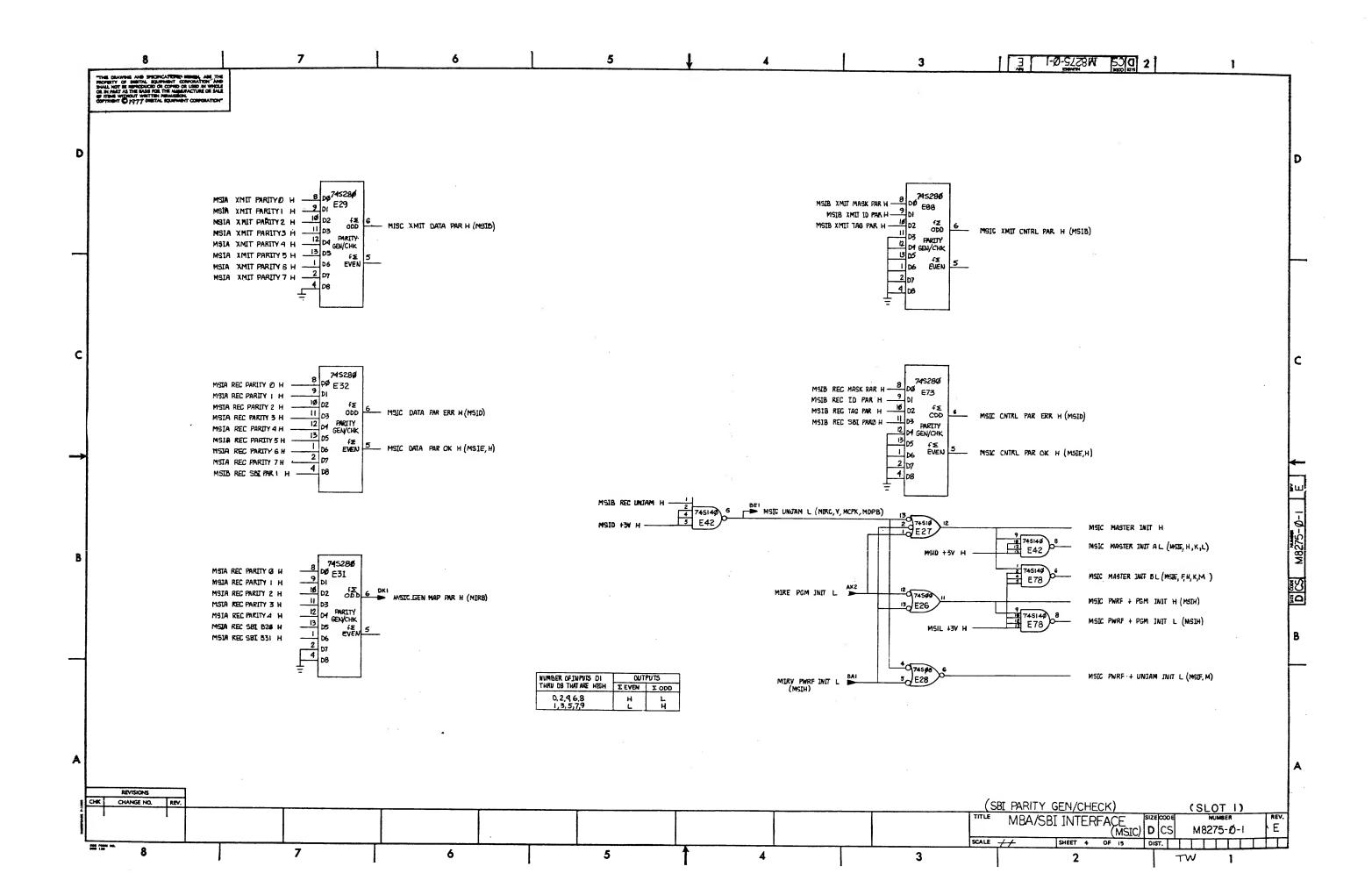
AUTOMATED BY PRTLST.3L(32)	PARTS LIST	SHEET A2 OF A2 QTY FER VARIATION
LINE ITEM DOCUMENT NUMBER	PART NUMBER DESCRIPTION	00 REFERENCE DESIGNATOR
25	1910957-00 1912824-00 1912847-00 1910550-00 1912697-00 1912854-00 1912855-00 1912855-00 1912855-00 1912860-00 191393-00 191393-00 191157 MUX 1 0F 2(QUAD) 191259 SHIFT REG.,4BIT PARA 1912857-00 1912867-00 1912867-00 1912867-00 1912867-00 1912867-00 1912867-00 191287-00 1912	5
42 42 43 43 44 44 45 45 46 46	1912865-00 LS283 ADDER-4BIT BINARY FU 1210711-02 HANDLE, MODULE, HEX 9000024-01 EYELET, ROLLED FLANGE, .121 OD X 1300229-00 100 1/4W 5% CC 9105740-55 *** THIS ITEM IS NOT USED ***	CONT E71,E72,E84,E85,E86,E123 1

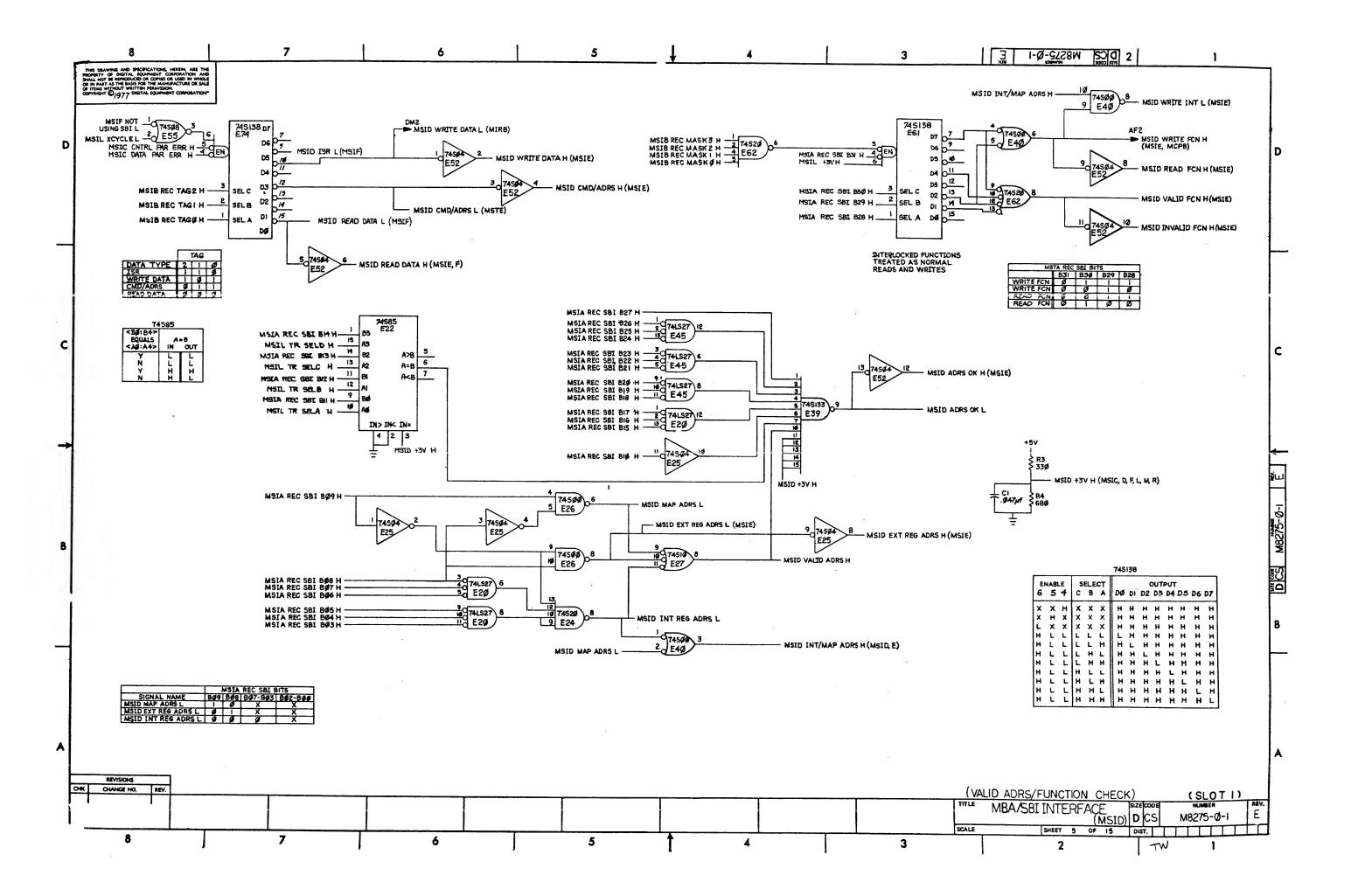
O NOTE: E9-E14,E87,E148,E149 ARE SPARE I.C.S.

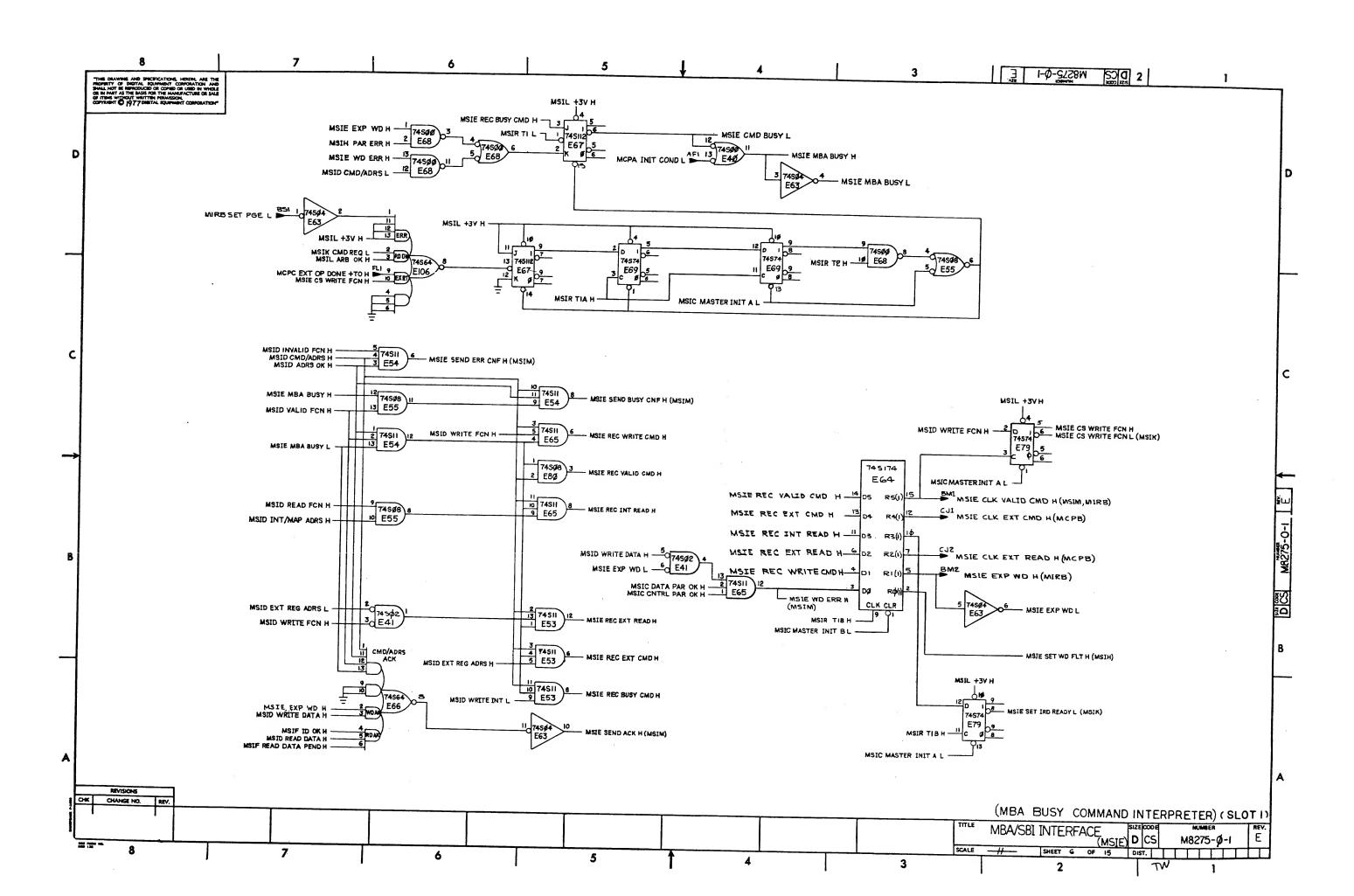


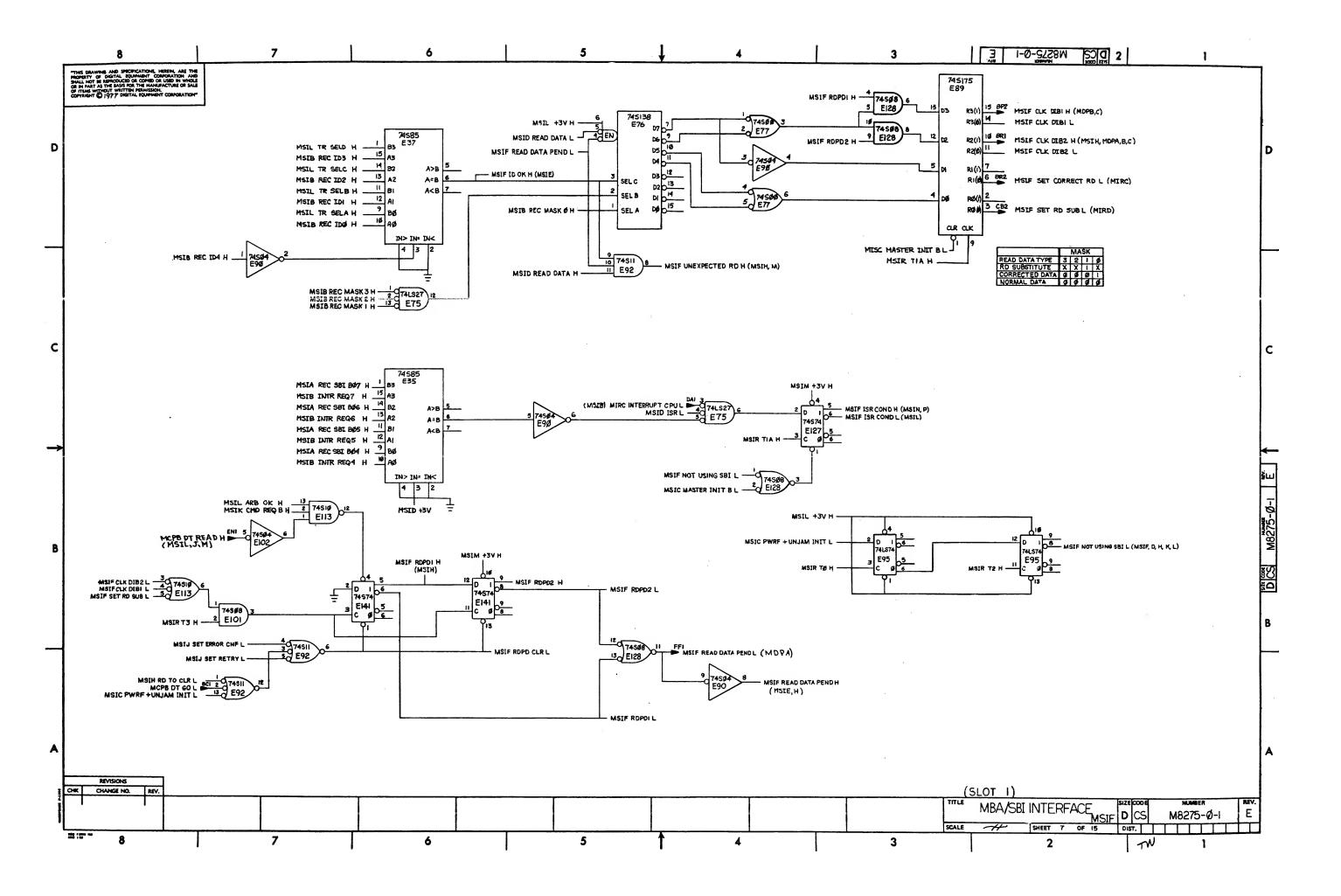


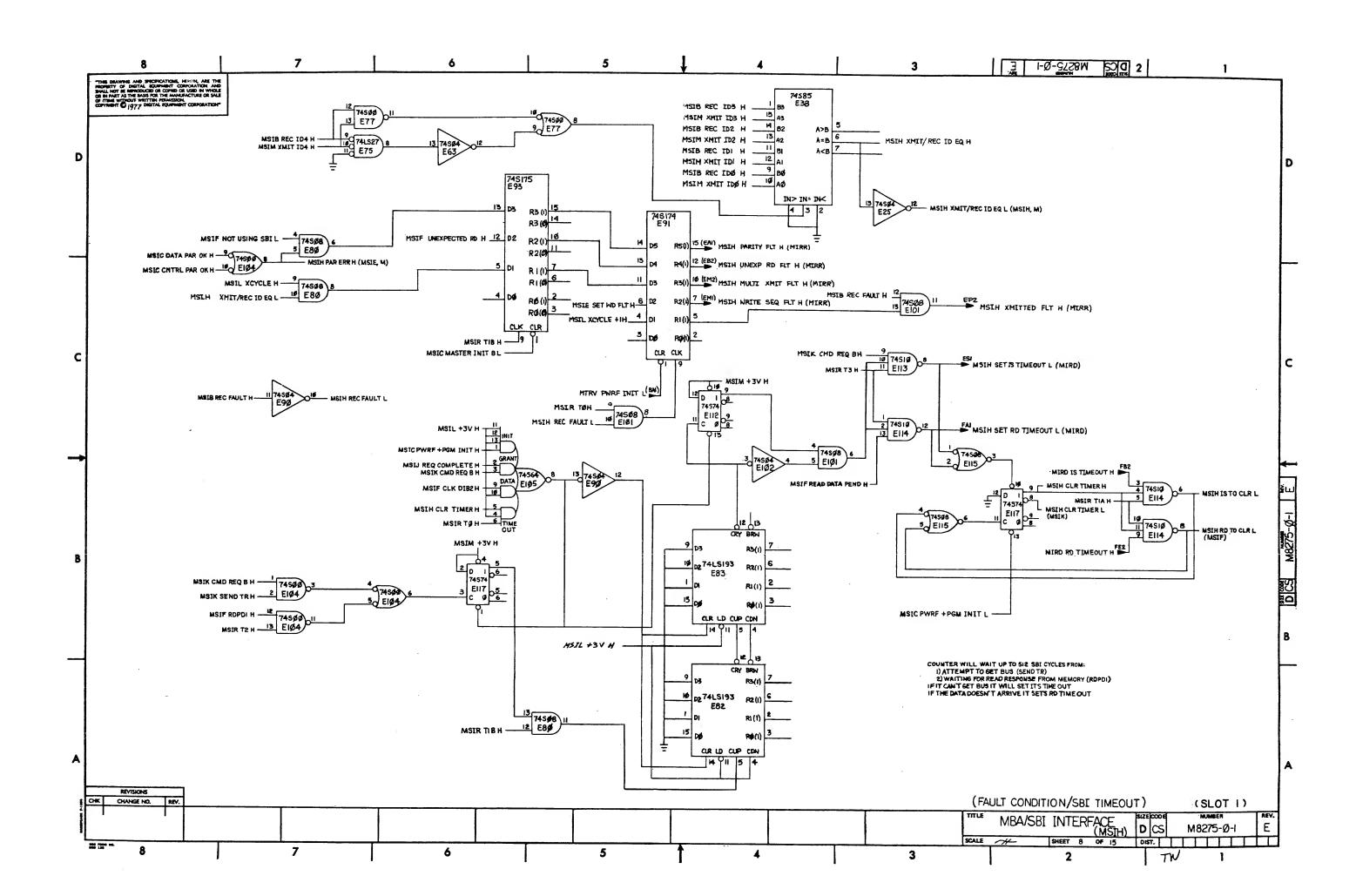


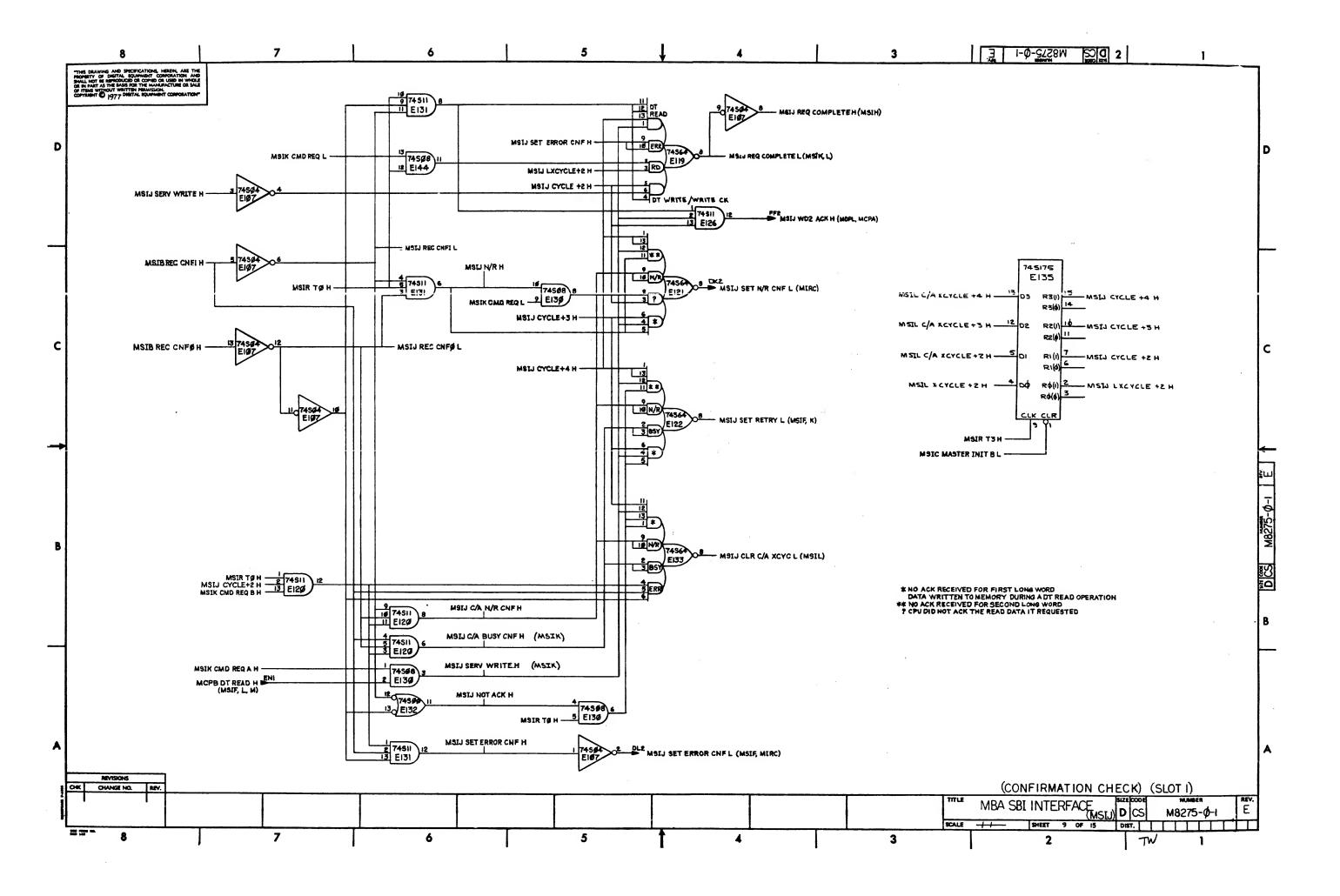


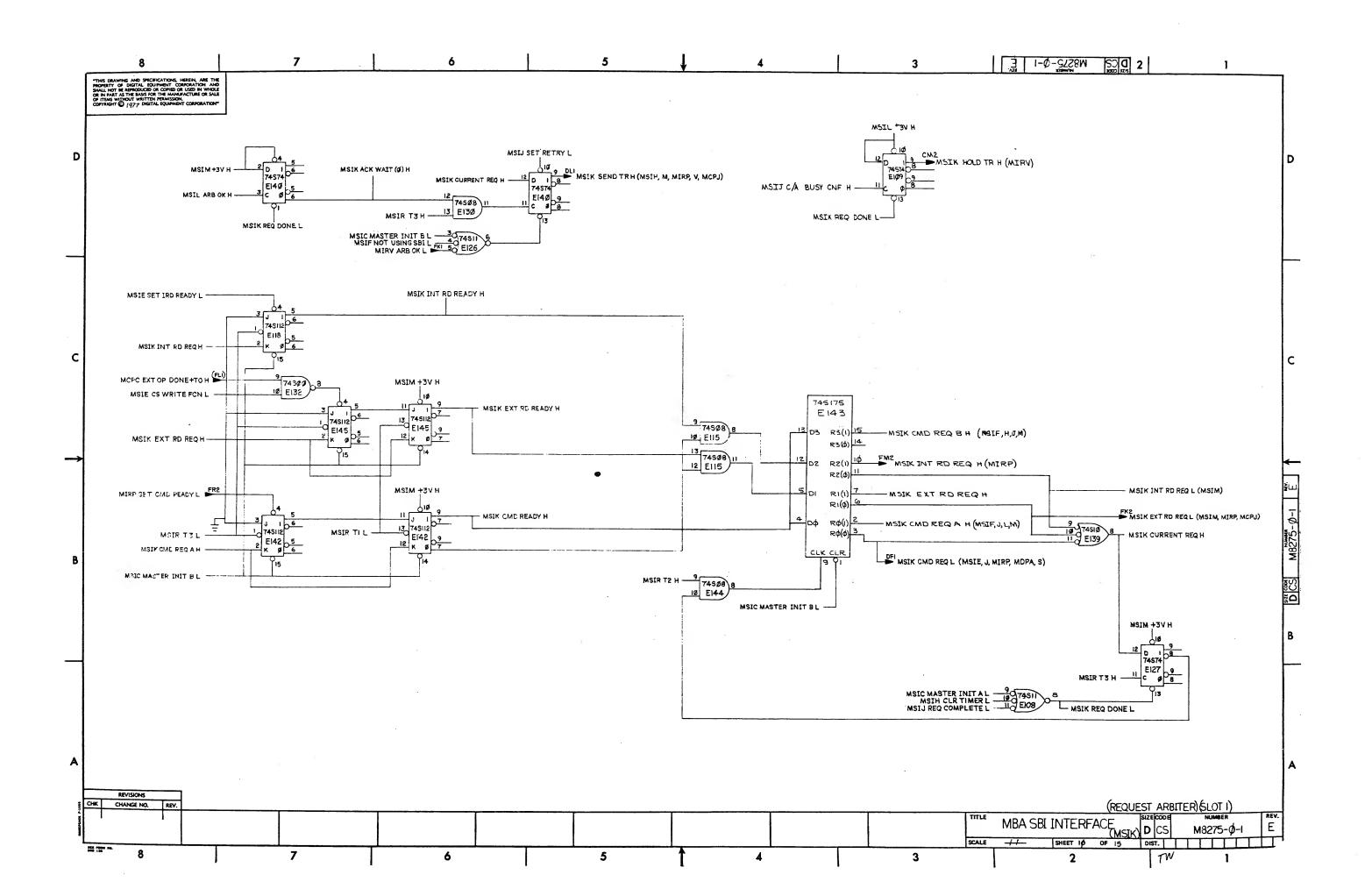


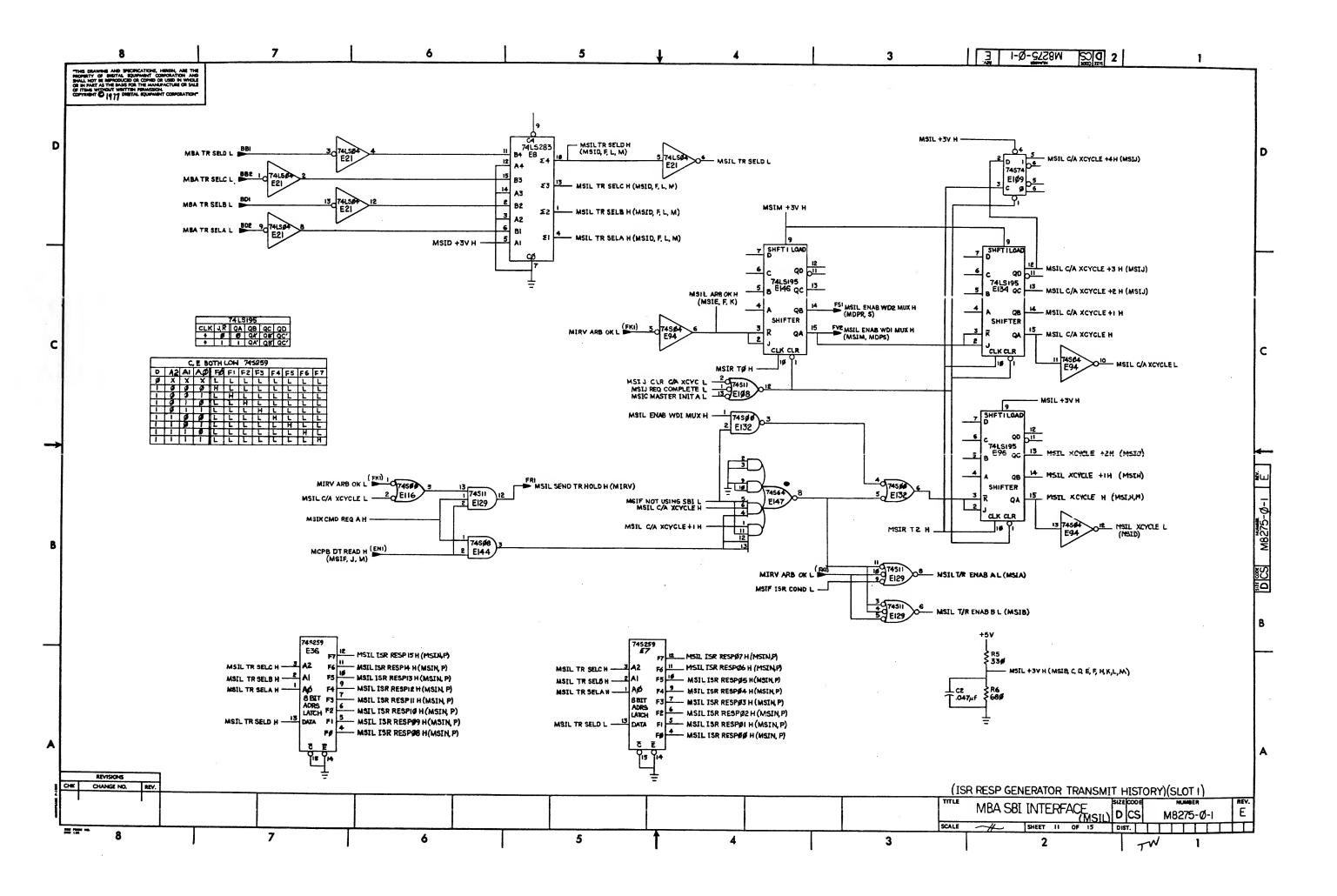


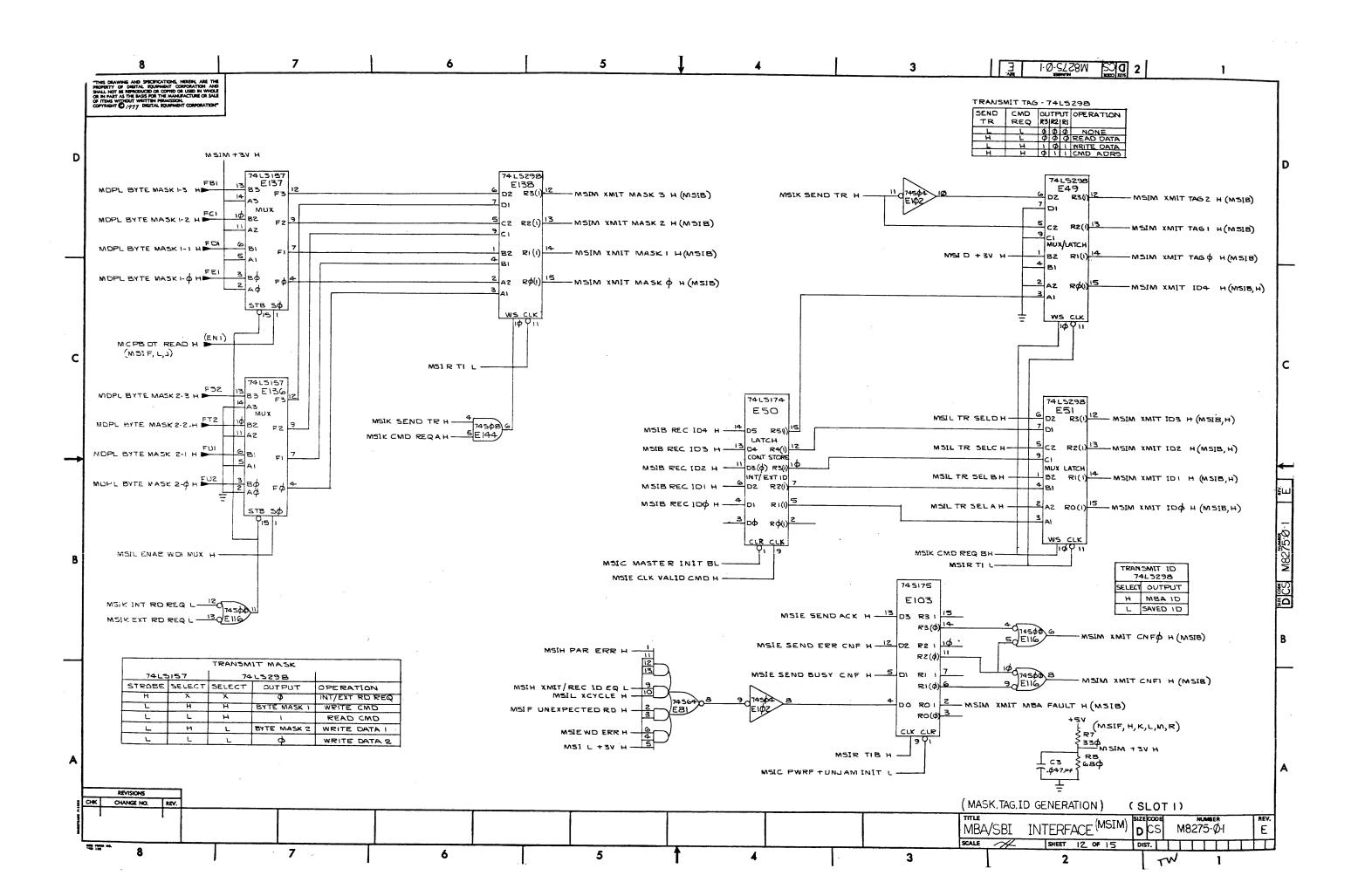


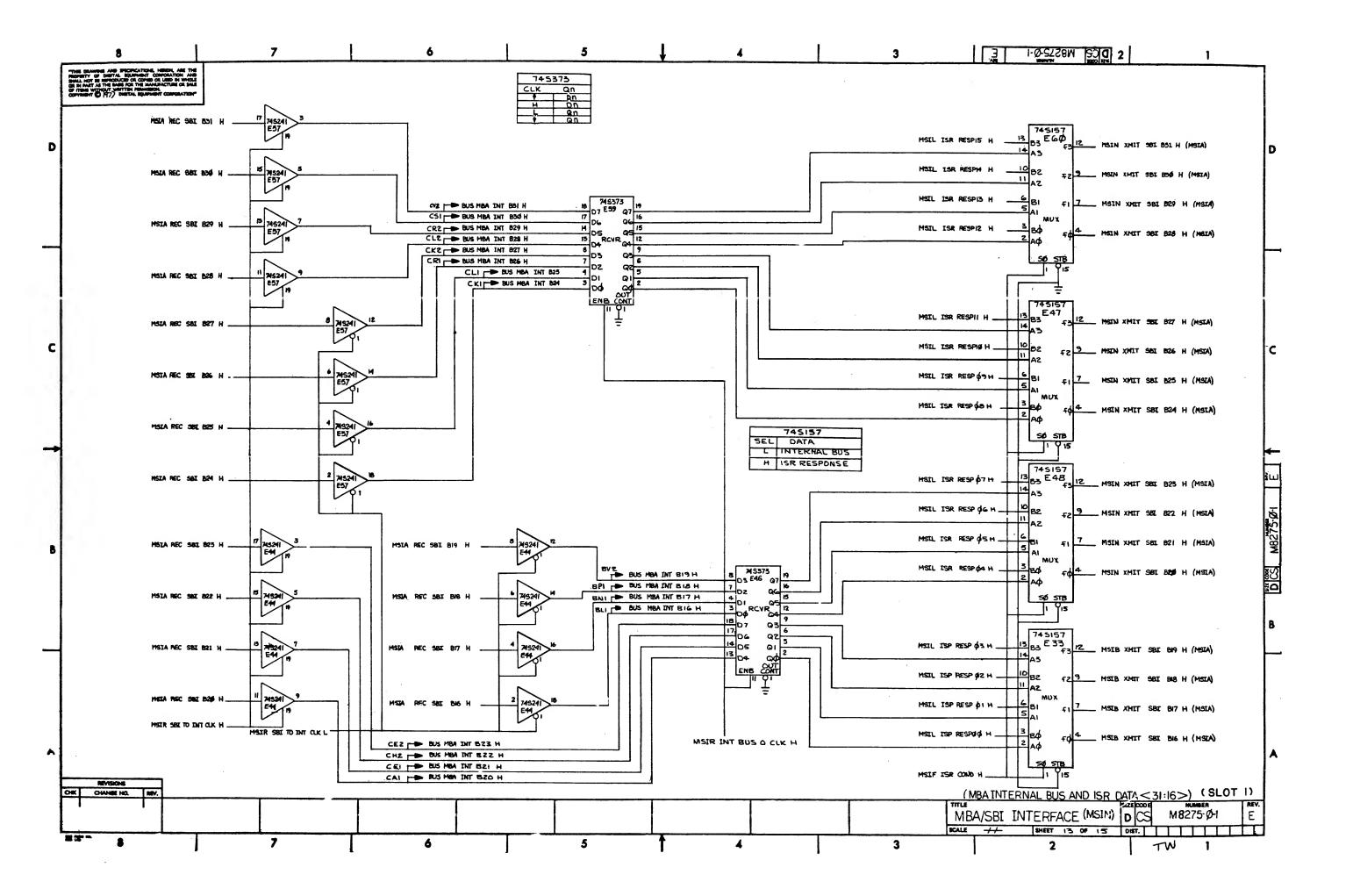


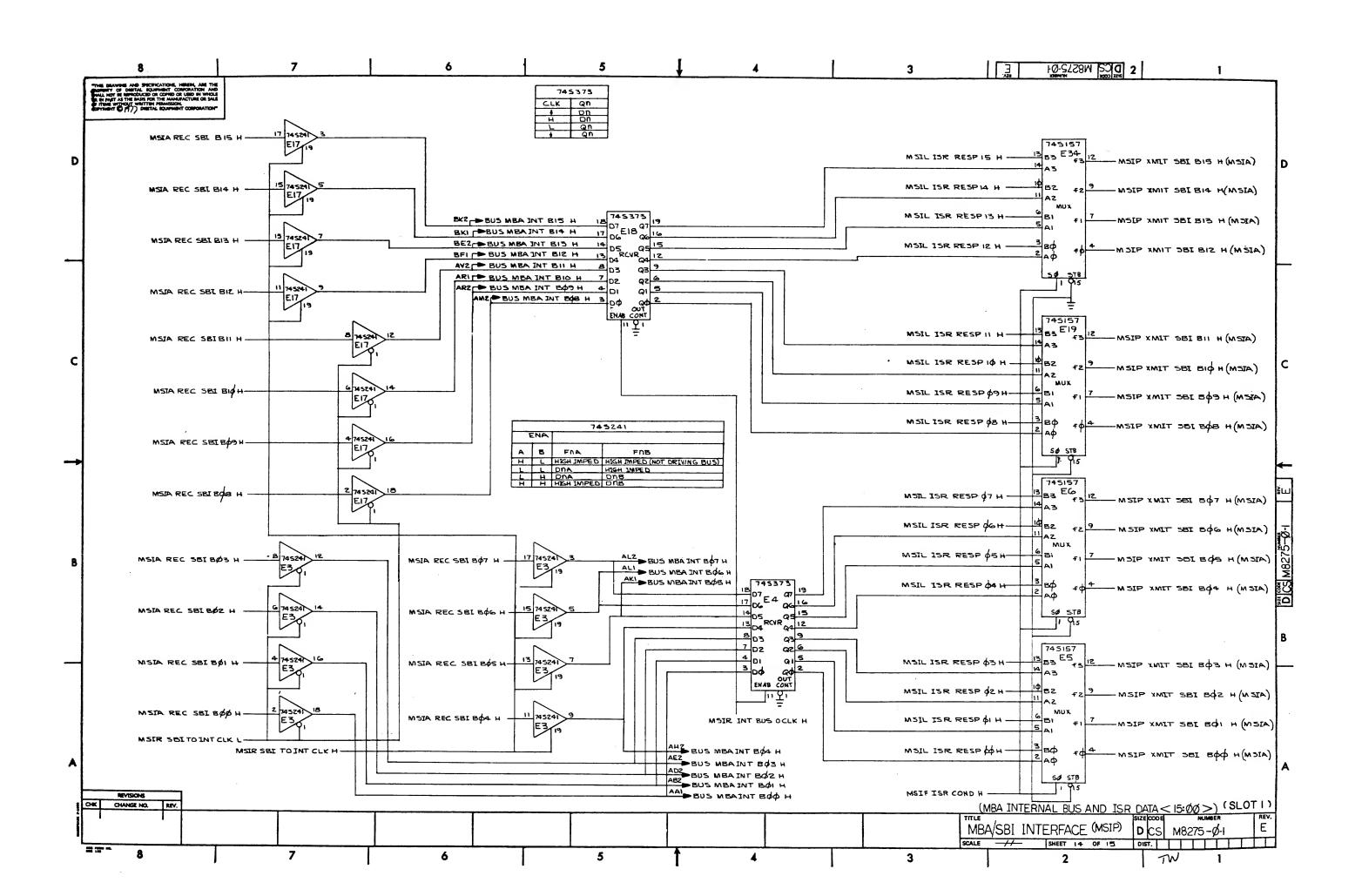


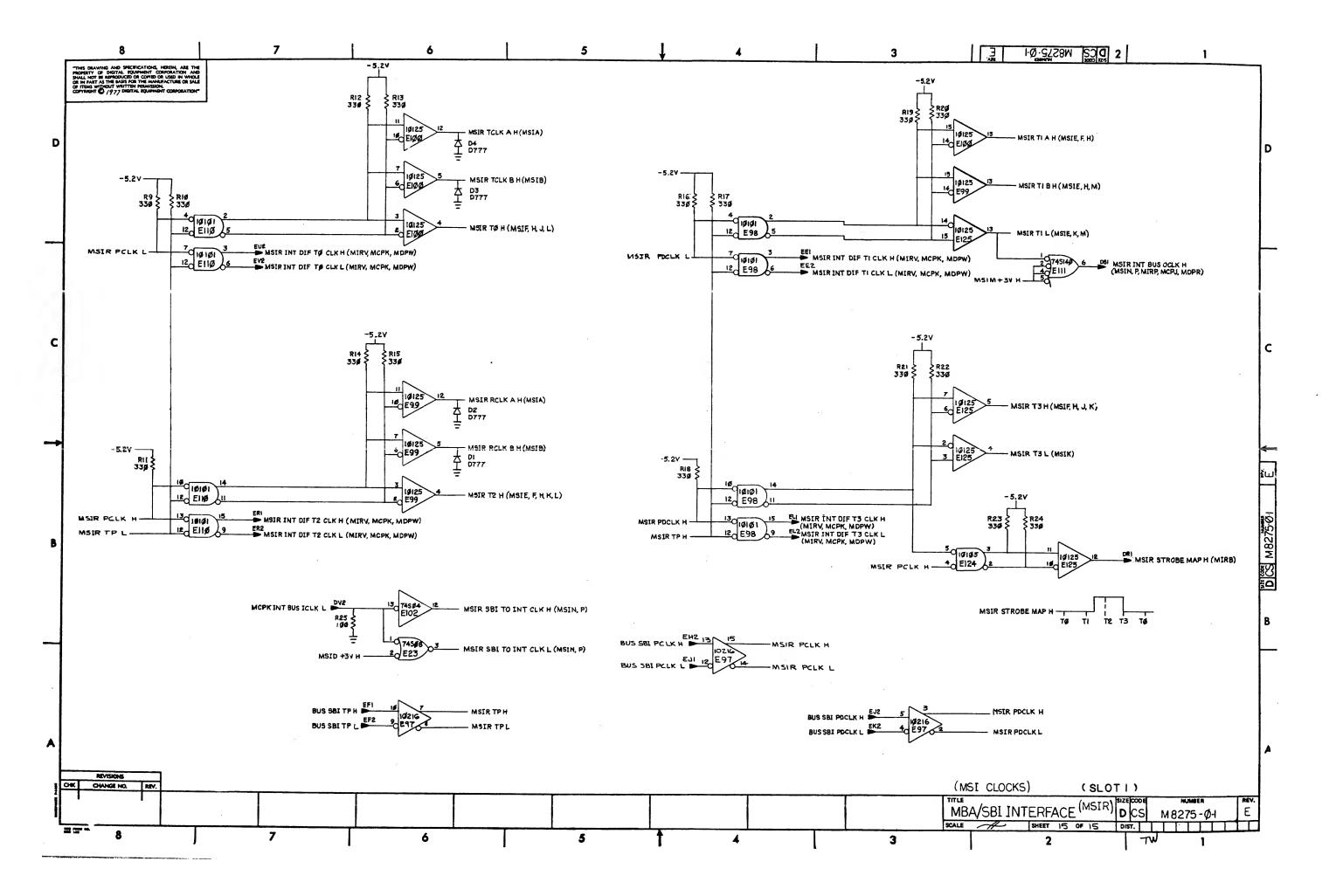


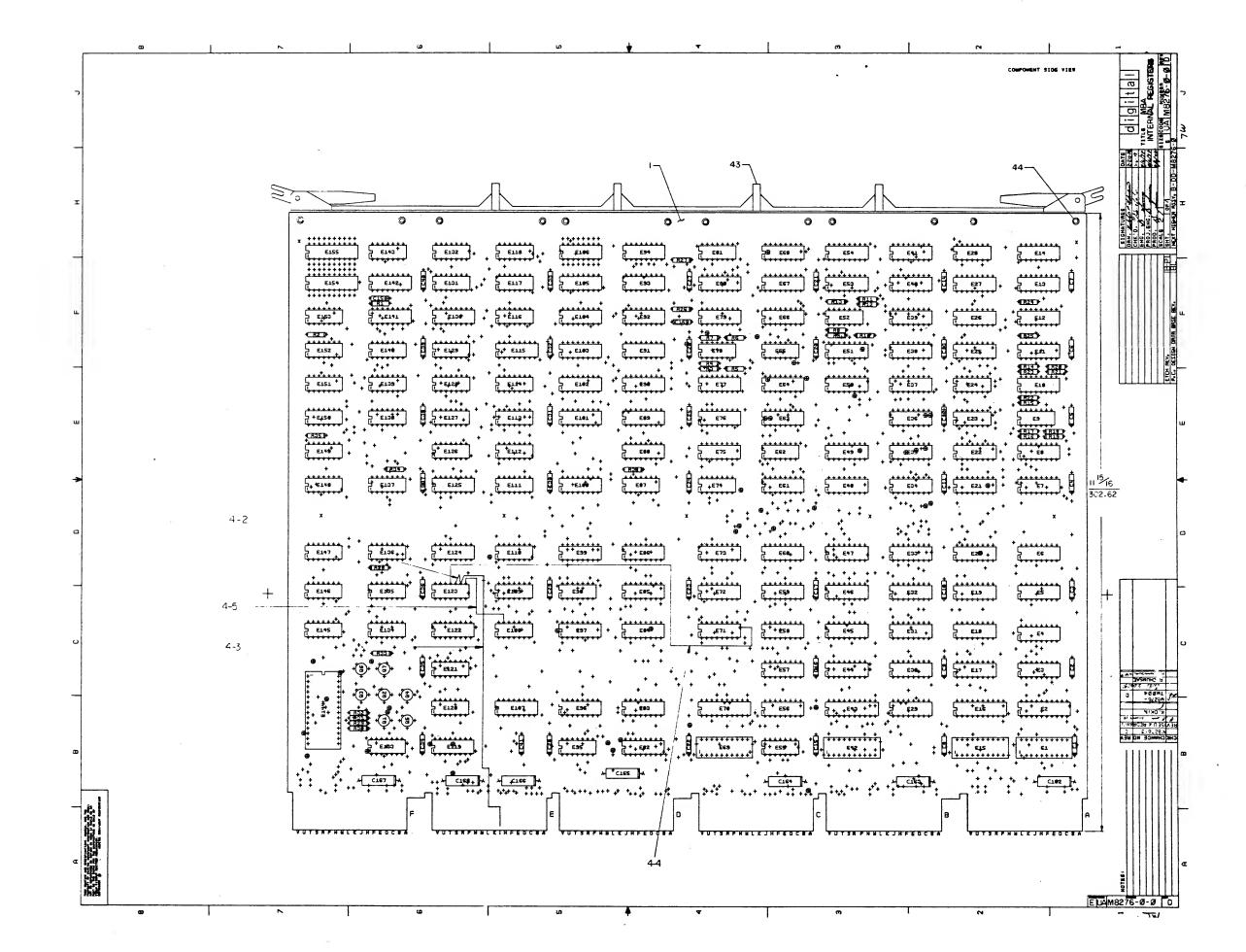






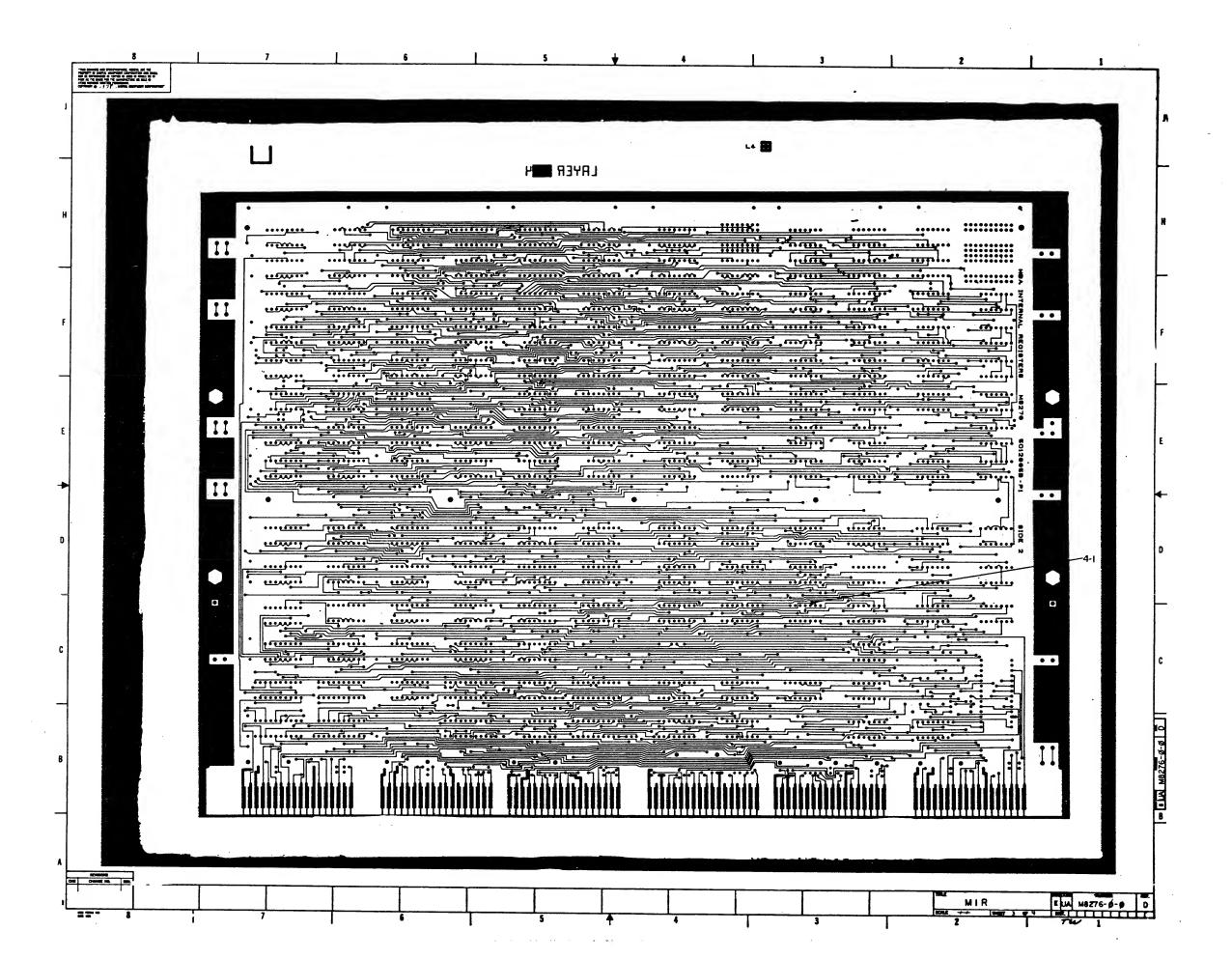






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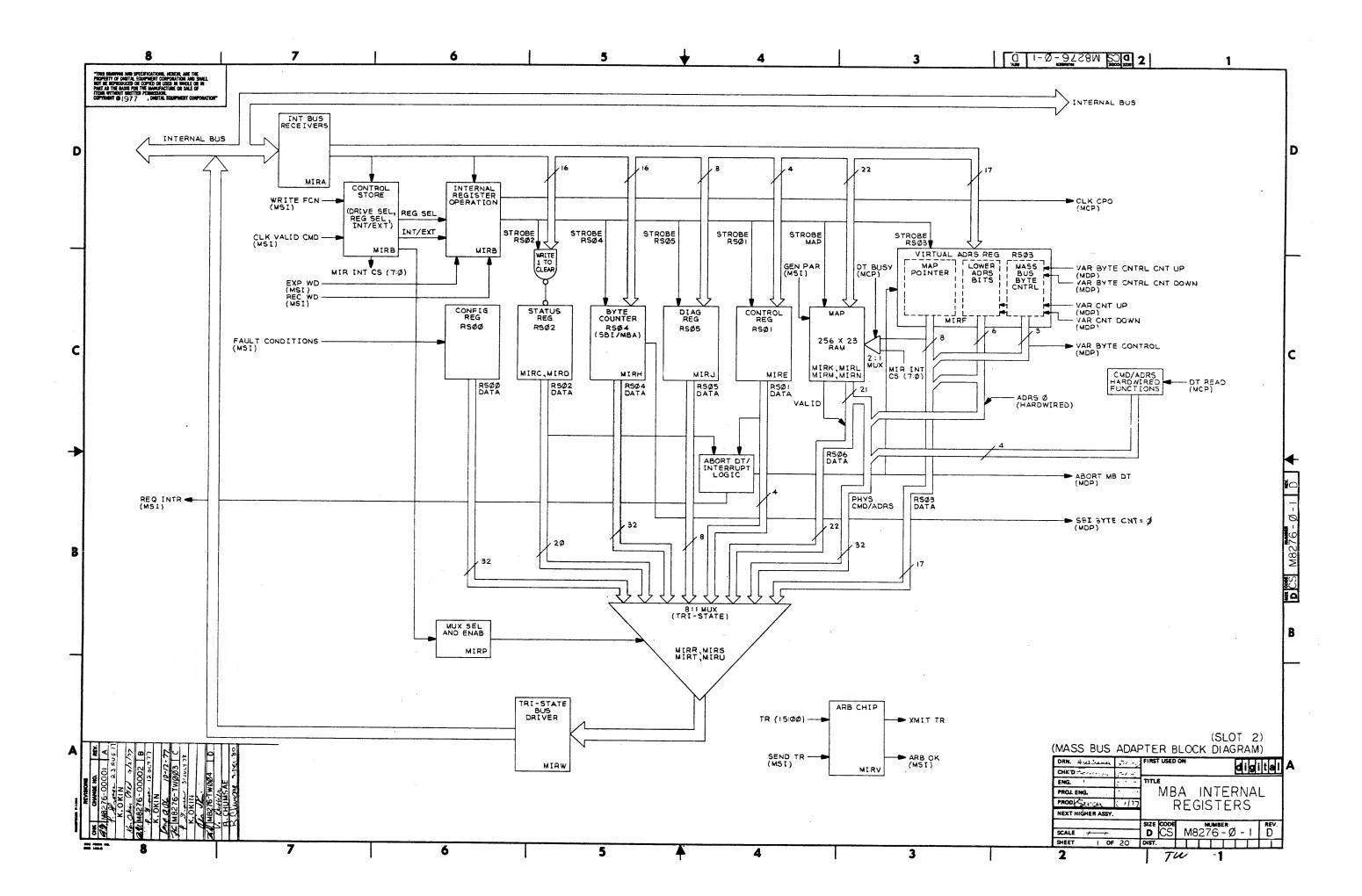
0 0-0-4758MAU 3 REWORK INSTRUCTIONS: ECO *4 ETCH CUTS-SIDE 2
44. CUT ETCH CONNECTED TO EXISTA. WIRE ADDS-SIDE I
4-2. EI23-10 TO EI23-9.
4-3. FROM EI23-9 TO MODULE PIN EUI.
4-4. FROM EI23-11 TO FEED THRU TO THE
LOWER RIGHT OF E77-9 (WITH ETCH
CONNECTED TO MODULE PIN (NI)
4-5. FROM EI23-8 TO EI08-13. MIR

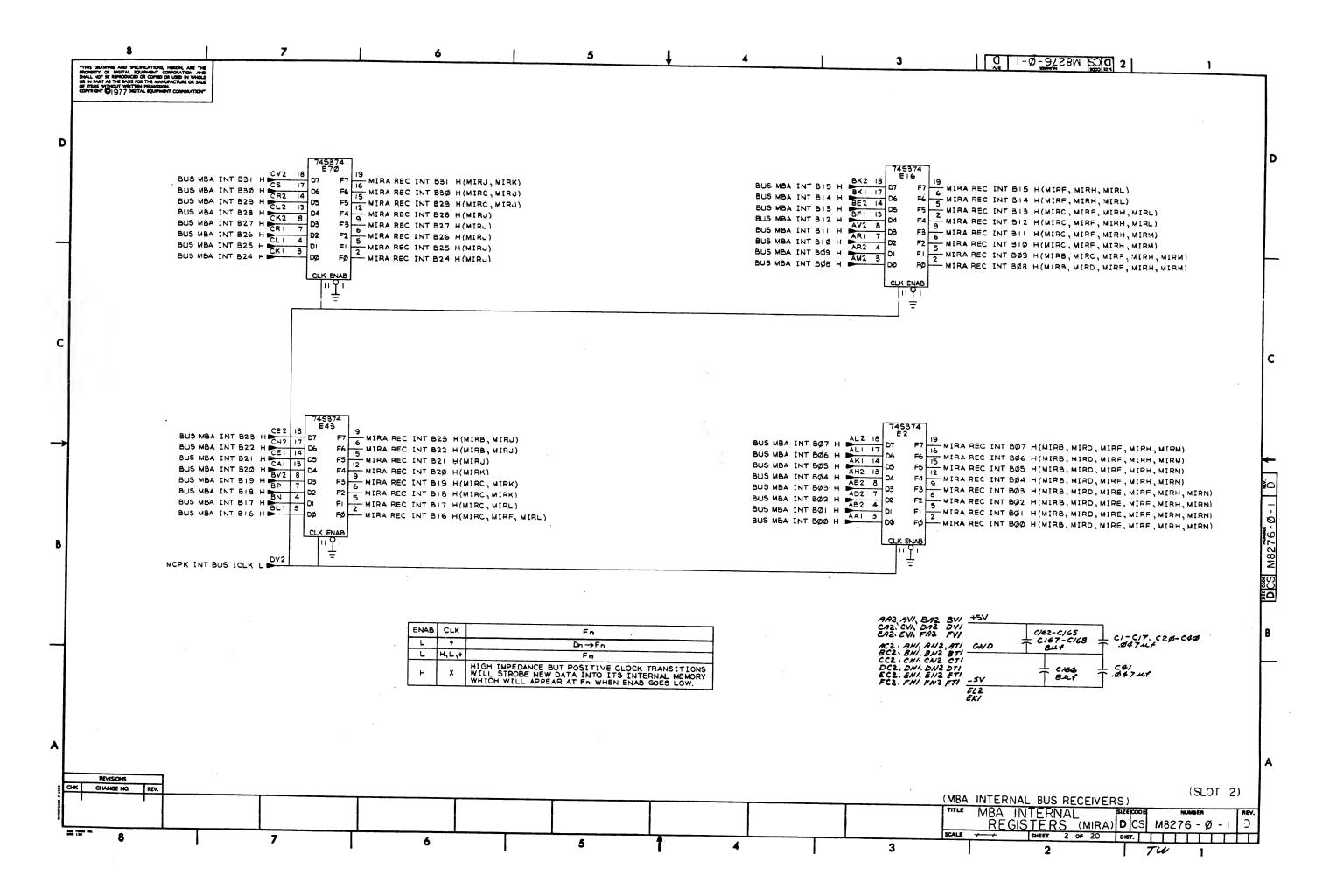
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29 30 31 32 33 34 35 36 37 38 39 40	29 30 31 32 33 34 35 36 37 38 39 40	· ×	1912697-00 1910957-00 191096-00 1911573-00 1913462-00 1912860-00 1913671-00 1911469-00 1911415-00 1913294-00 1913730-00	LS174 74S175 DEC 74191 74S280 74S240 LS259 74S374 DEC 8640 10125 93S16 DC 101	FF-D HEX W/CLEAR FF-D QUAD COMMON CLO COUNTER, SYNCHR, UF/D PARITY GEN/CHKR, 9BIT OCTAL BUFFER, INVERTI LATCH 8BIT FF-D OCTAL TRISTATE RECEIVER, BUS, QUAD, U ECL TO TTL TRNSLTR COUNTER, SYNCH UP BIN PRIORITY ARBITRATOR MEMORY READ/WRITE, 25	4 1 5 3 4 1 4 1 1 8 1 23	CONT	E56-E60,E67,E68,E79,E30,E89, E91-E94,E101-E105 E64,E71,E83,E90 E142 E72,E73,E75,E76,E88 E23,E62,E65 E1,E15,E42,E69 E130 E2,E16,E43,E70 E146 E119 E34,E36,E38-E40,E61,E66,E35 E144 E3-E8,E10-E14,E17-E21,E25-E27,
41 42 43 44 45	41 42 43 44 45) <u>.</u>	1912824-00 1912805-00 1210711-02 9000024-01 9105740-55	LS74 LS08 /REPLACED B EYELET, ROL WIRE(WRAF)3		2 1 1 12 A/R	CONT	E29-E32 E95,E145 E153

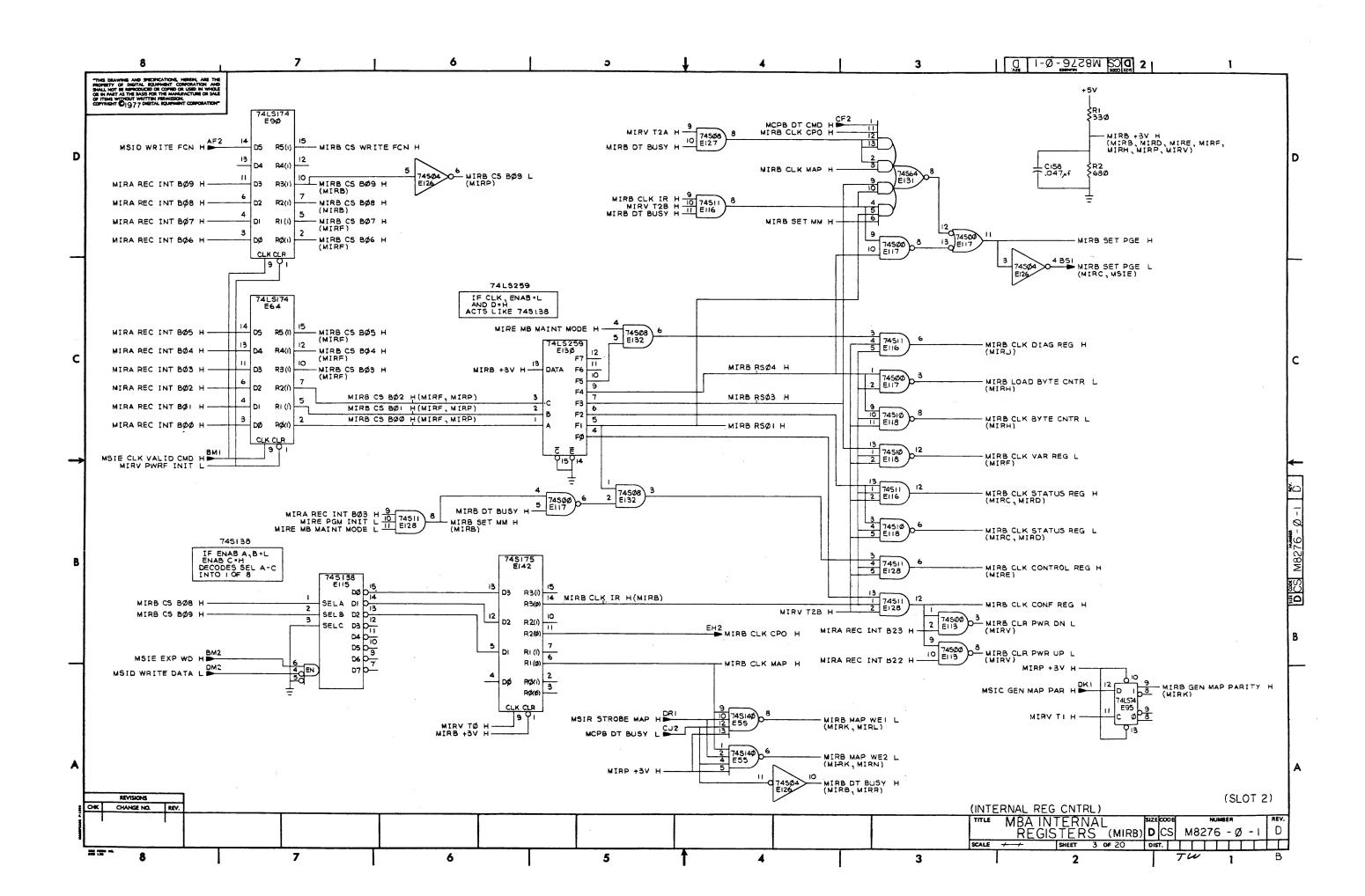
46 NOTE: SPARE I.C.'S ARE E106, E154, & E155

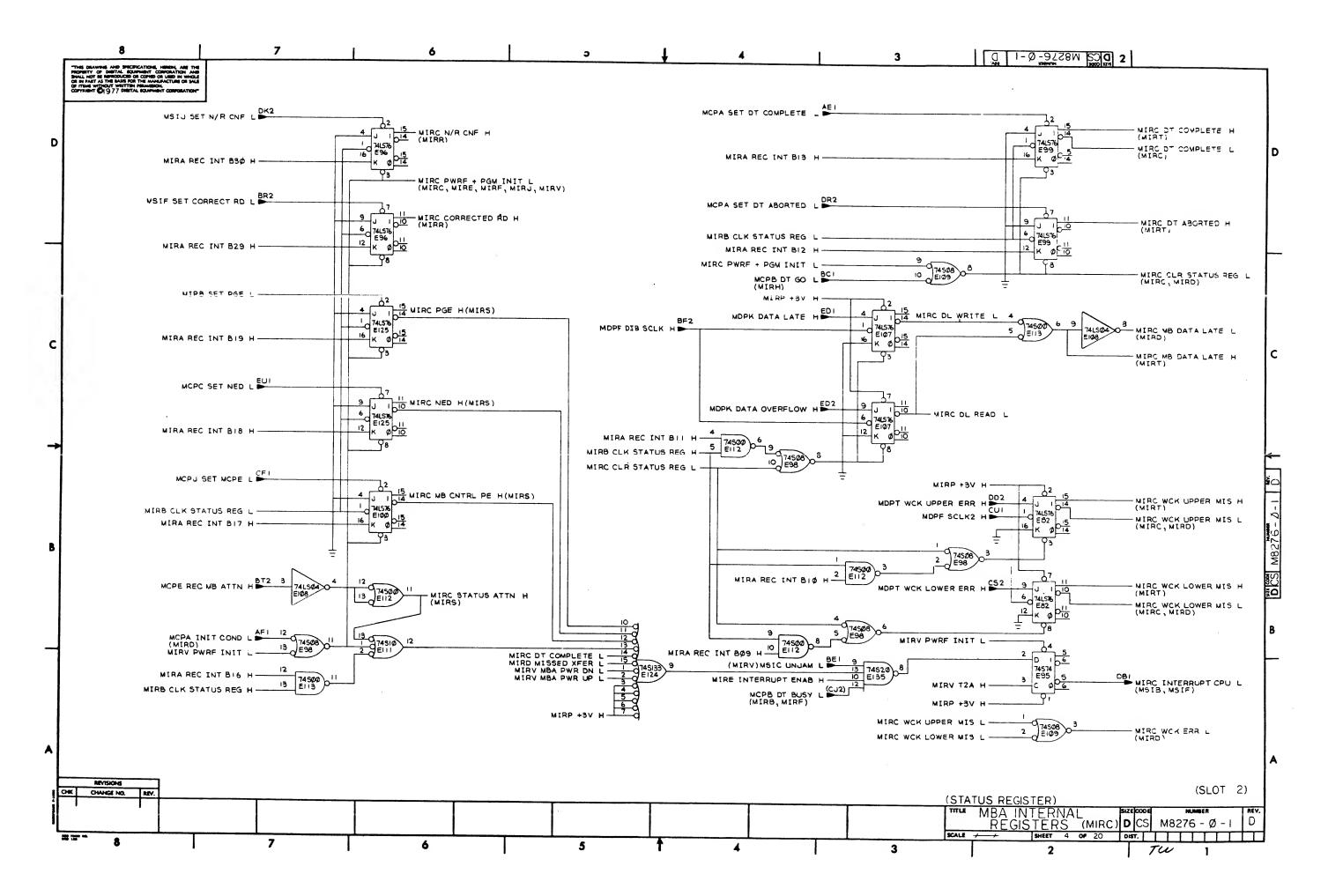
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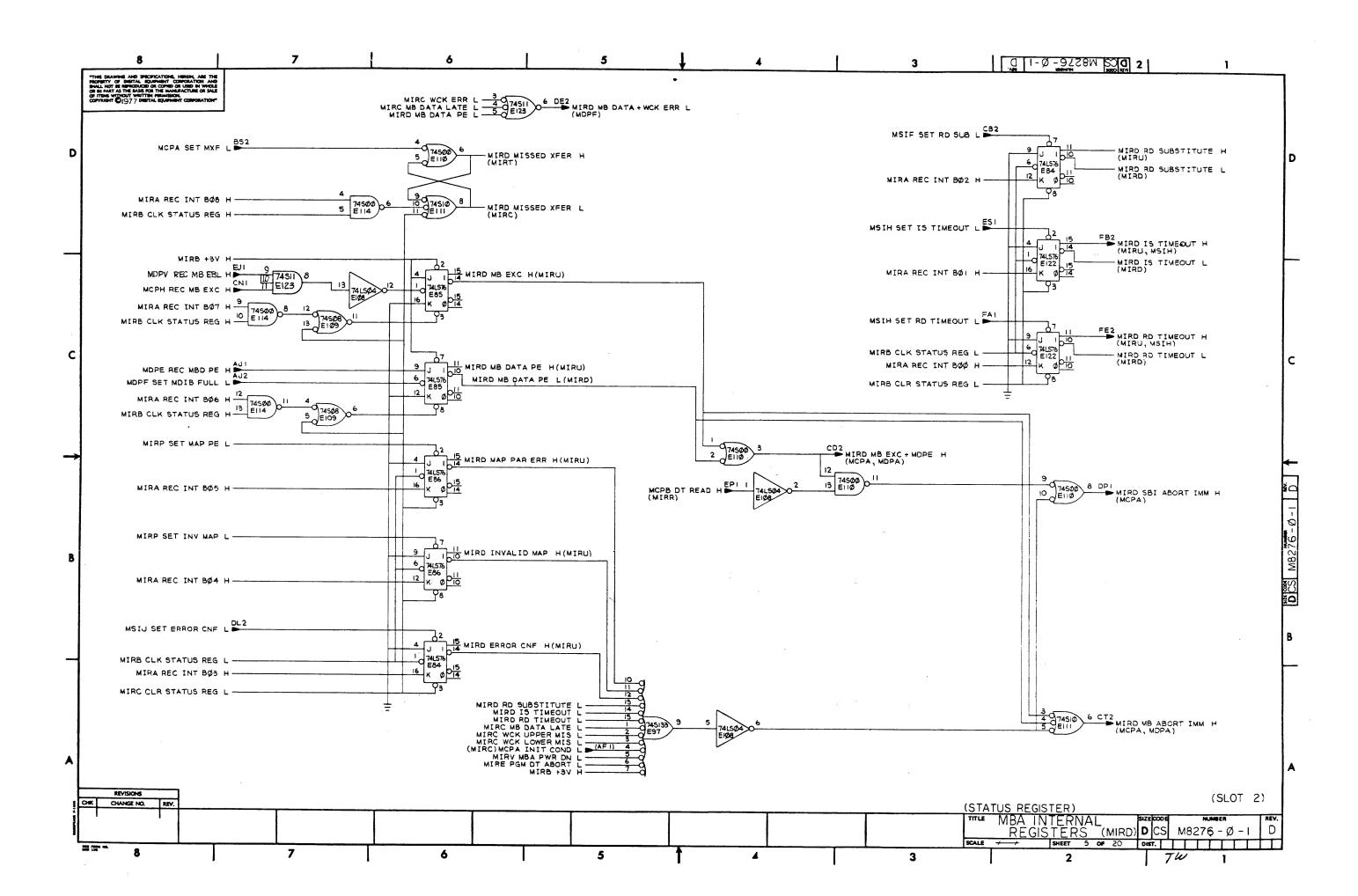
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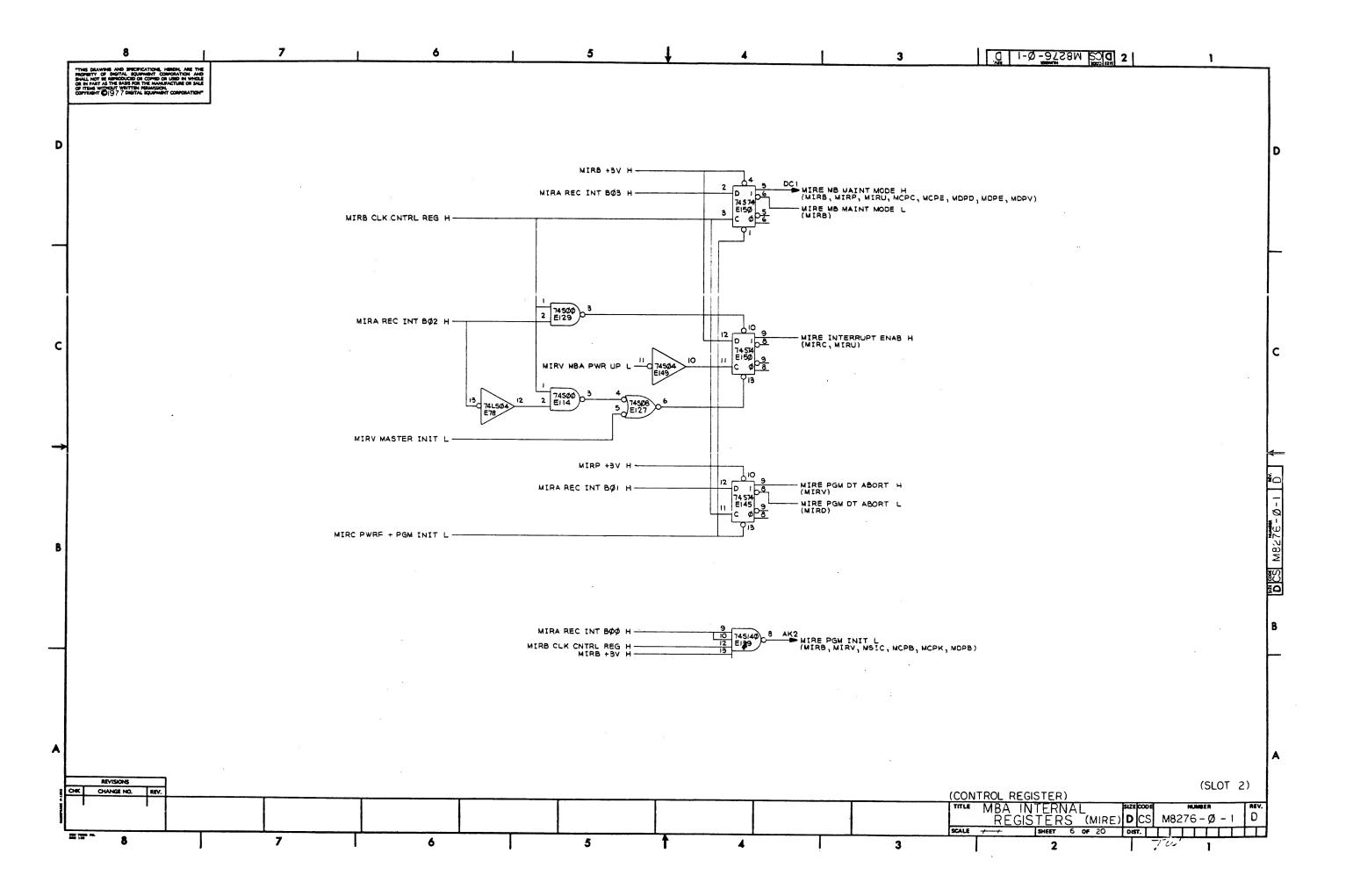


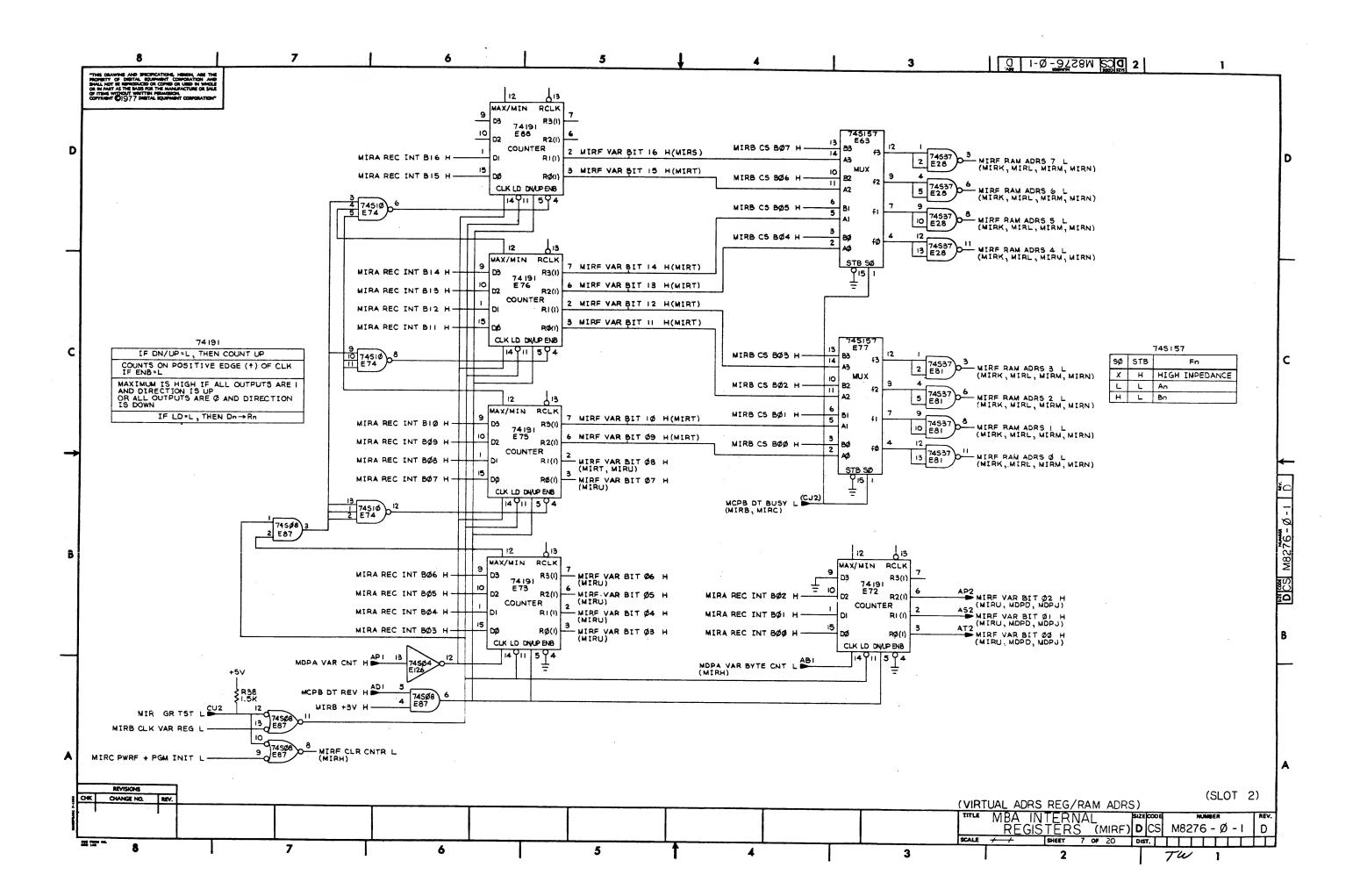


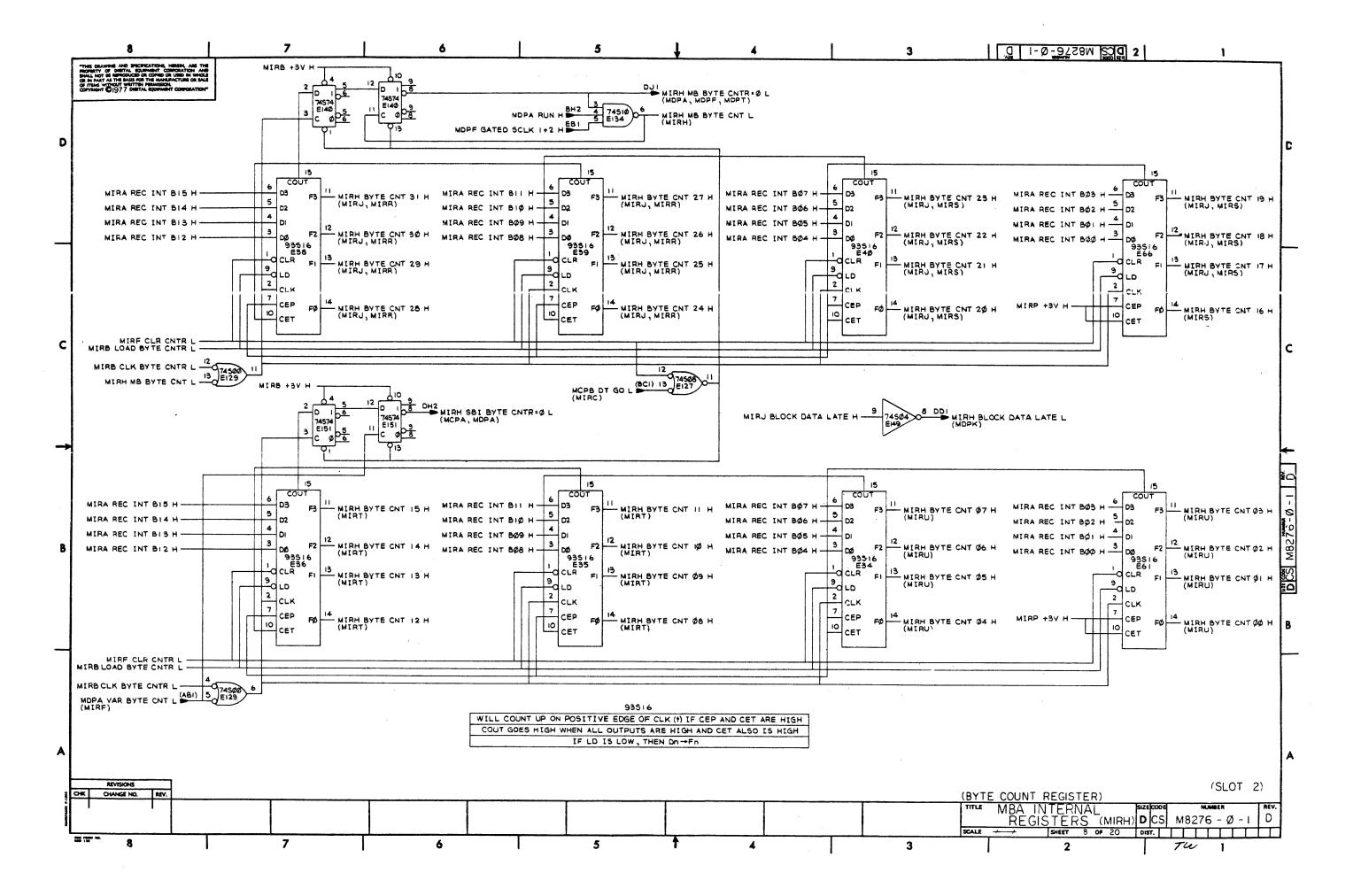


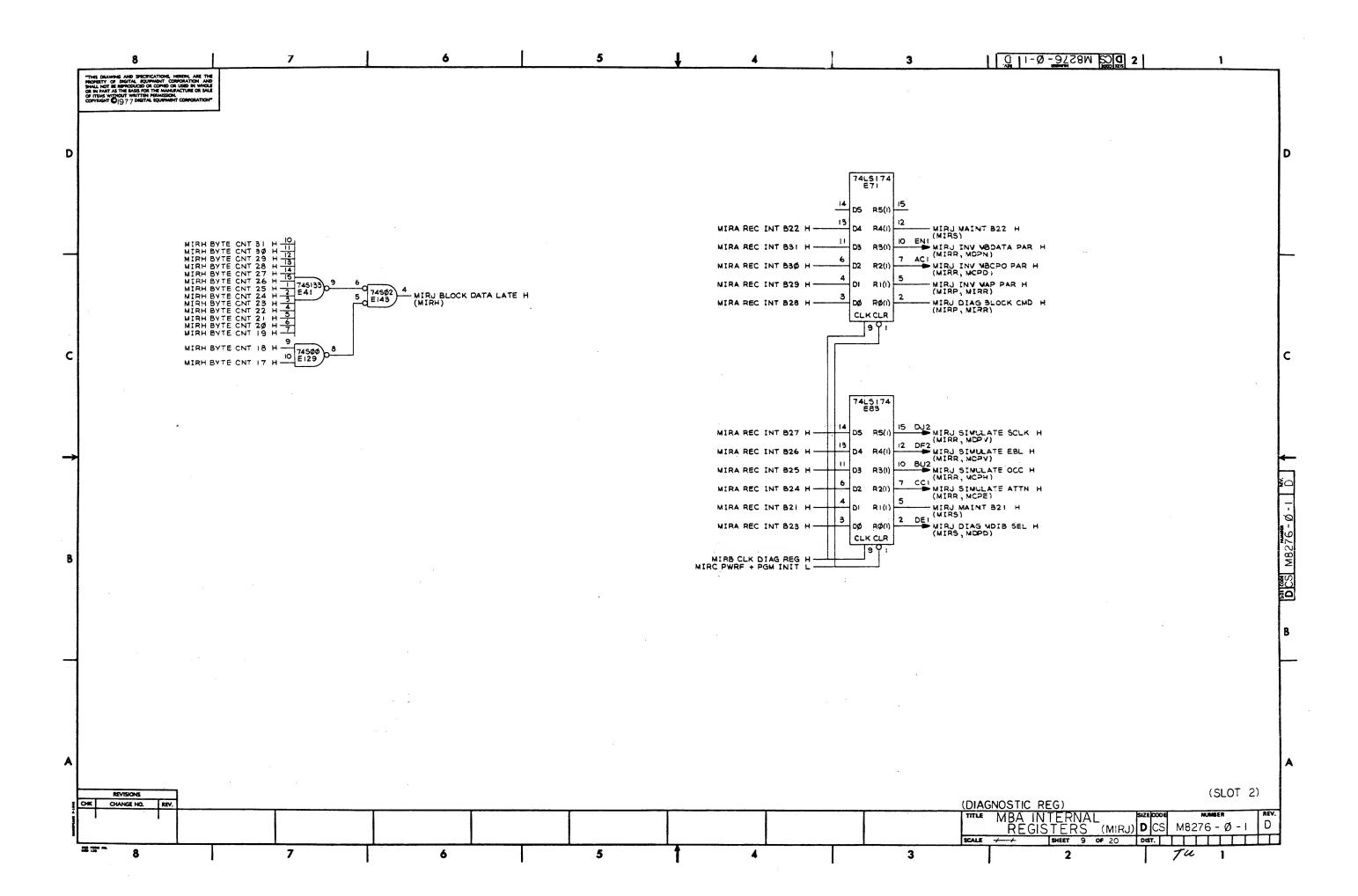


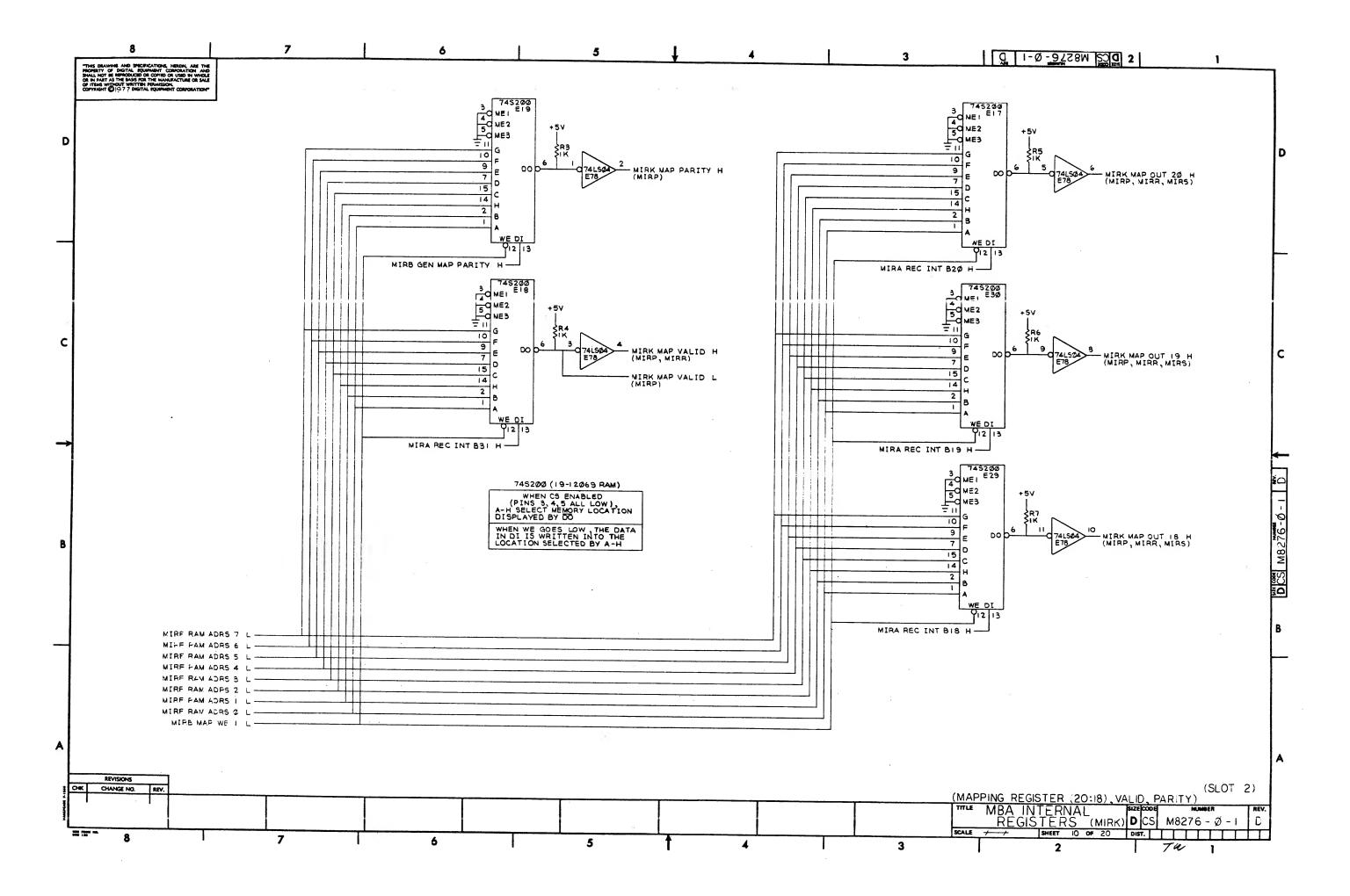


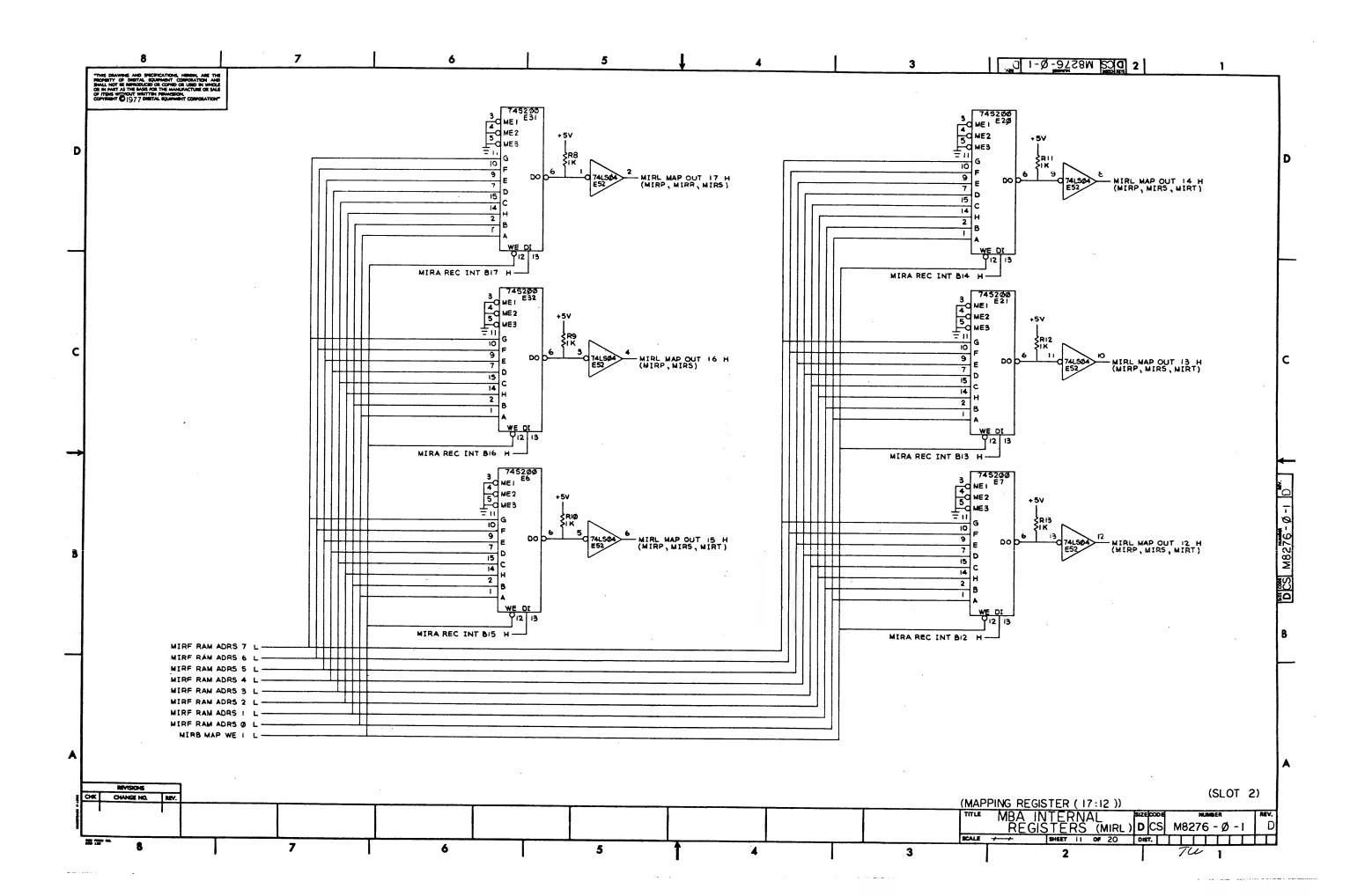


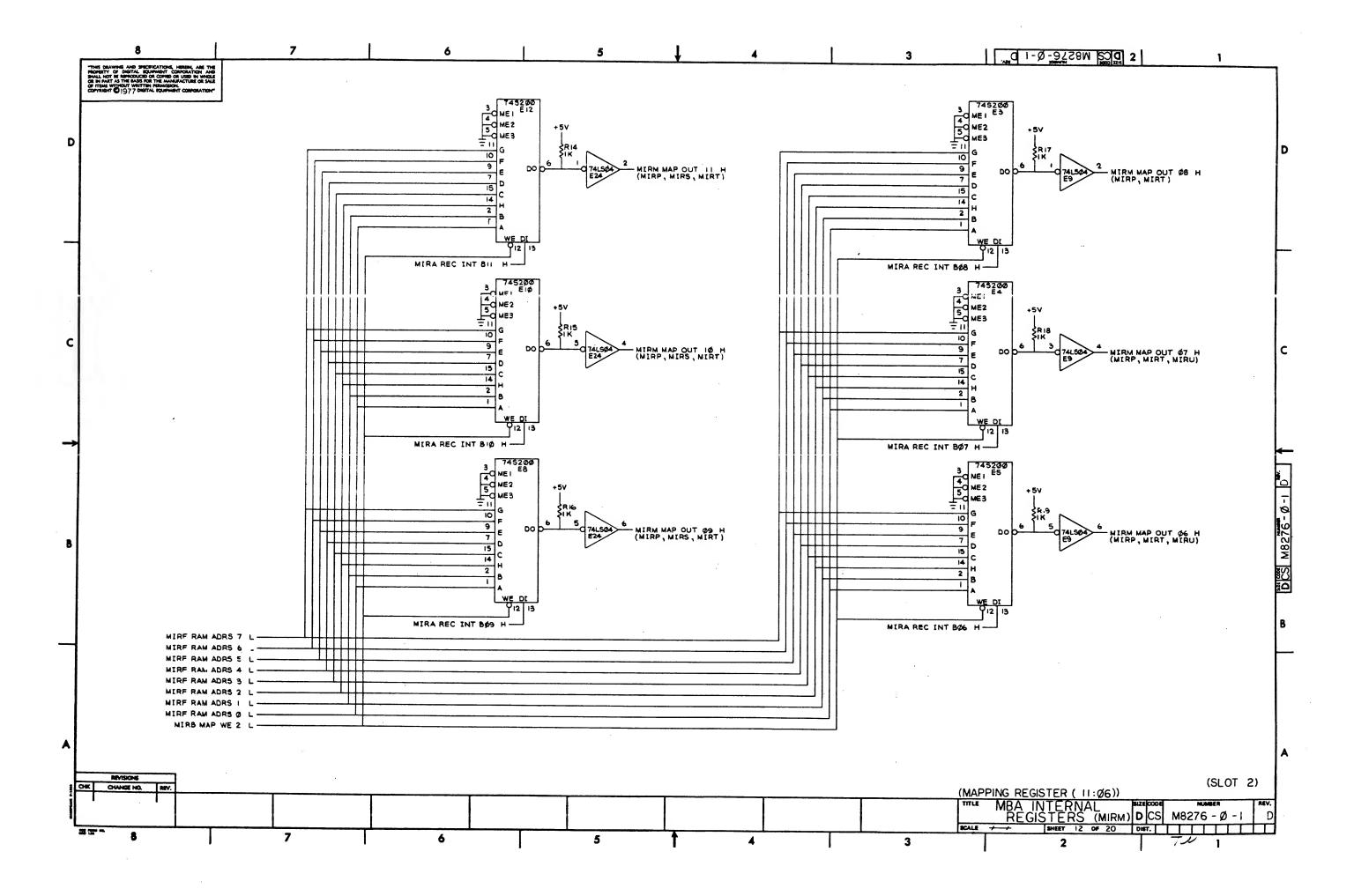


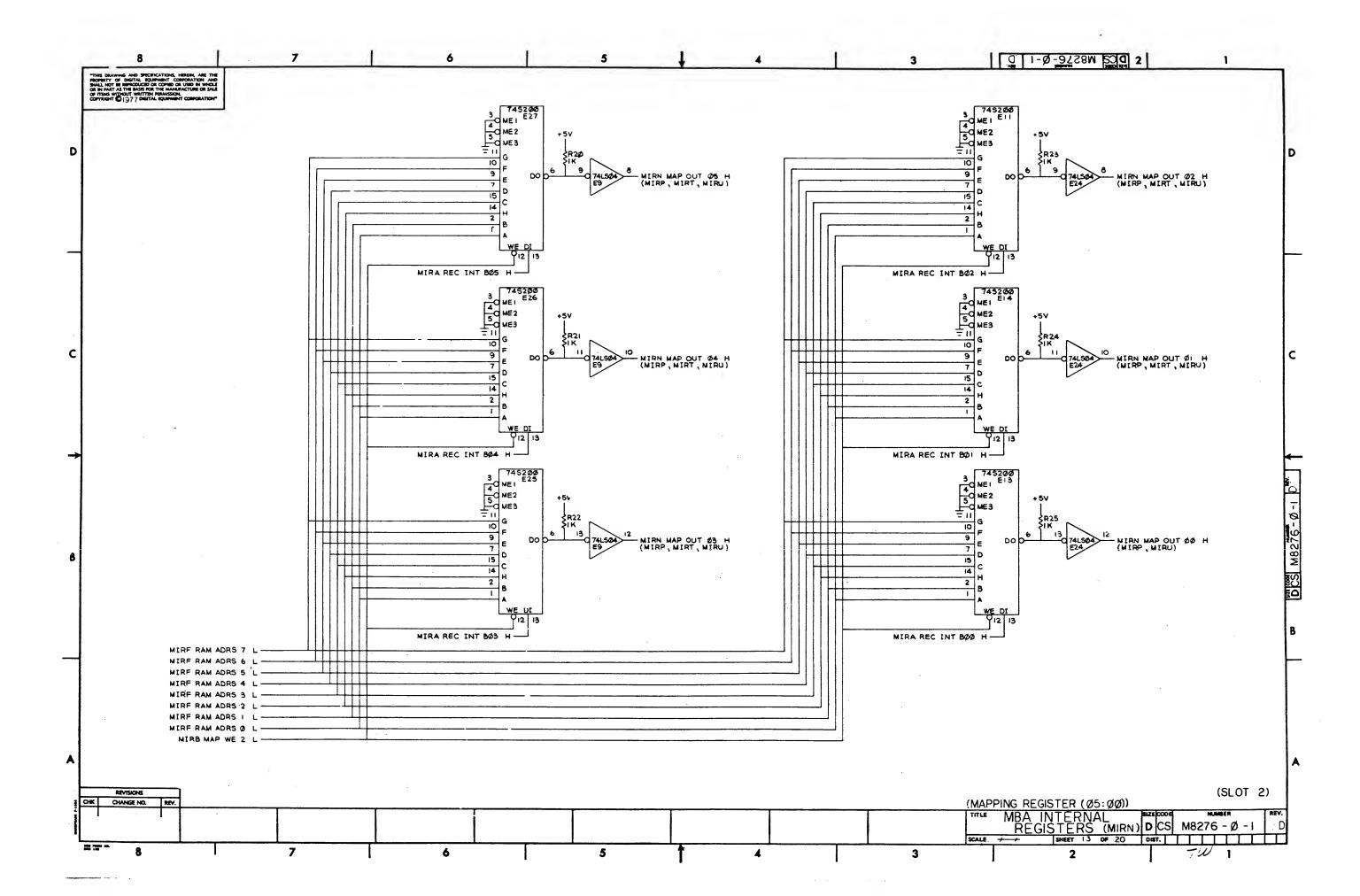


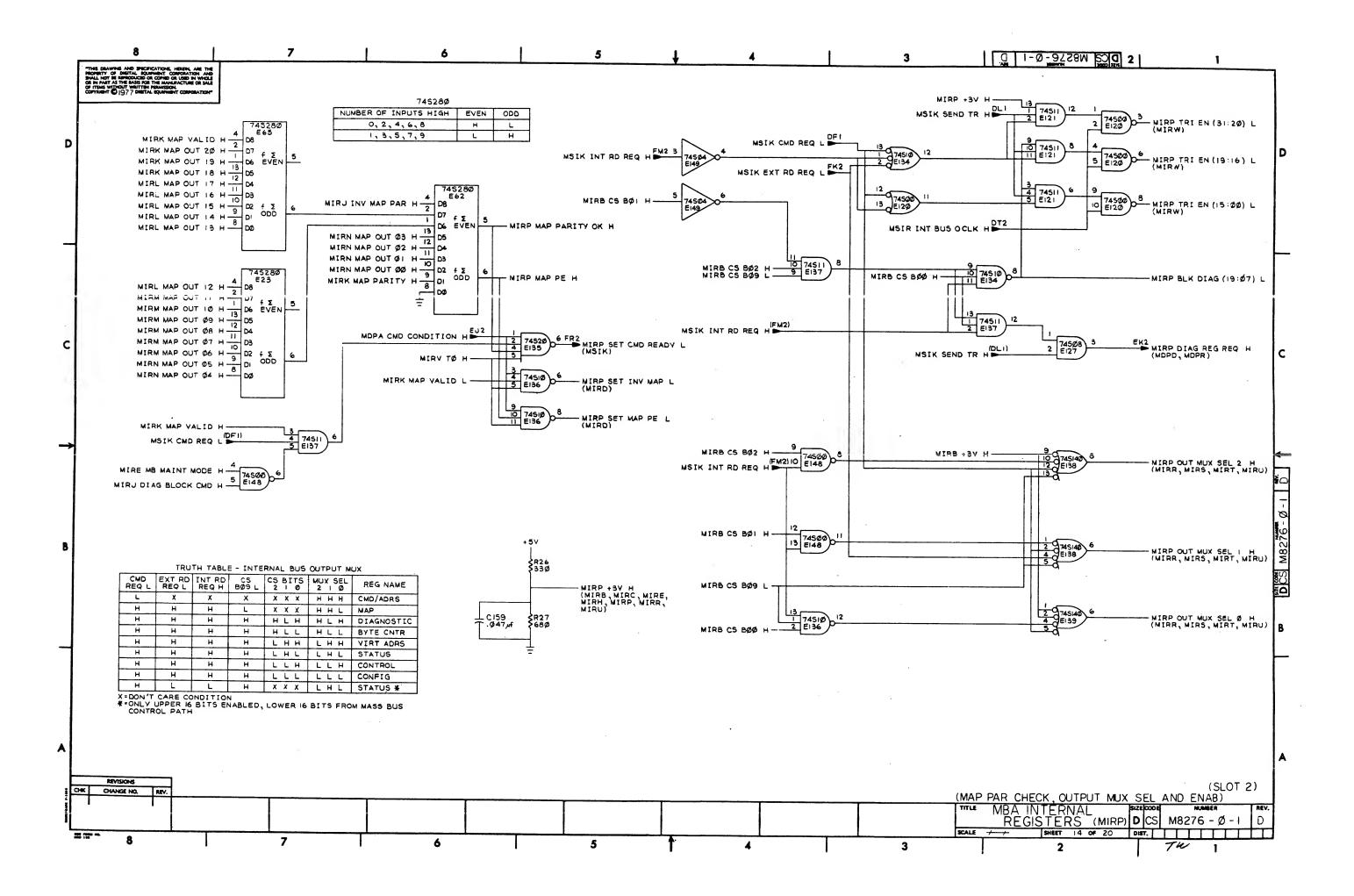


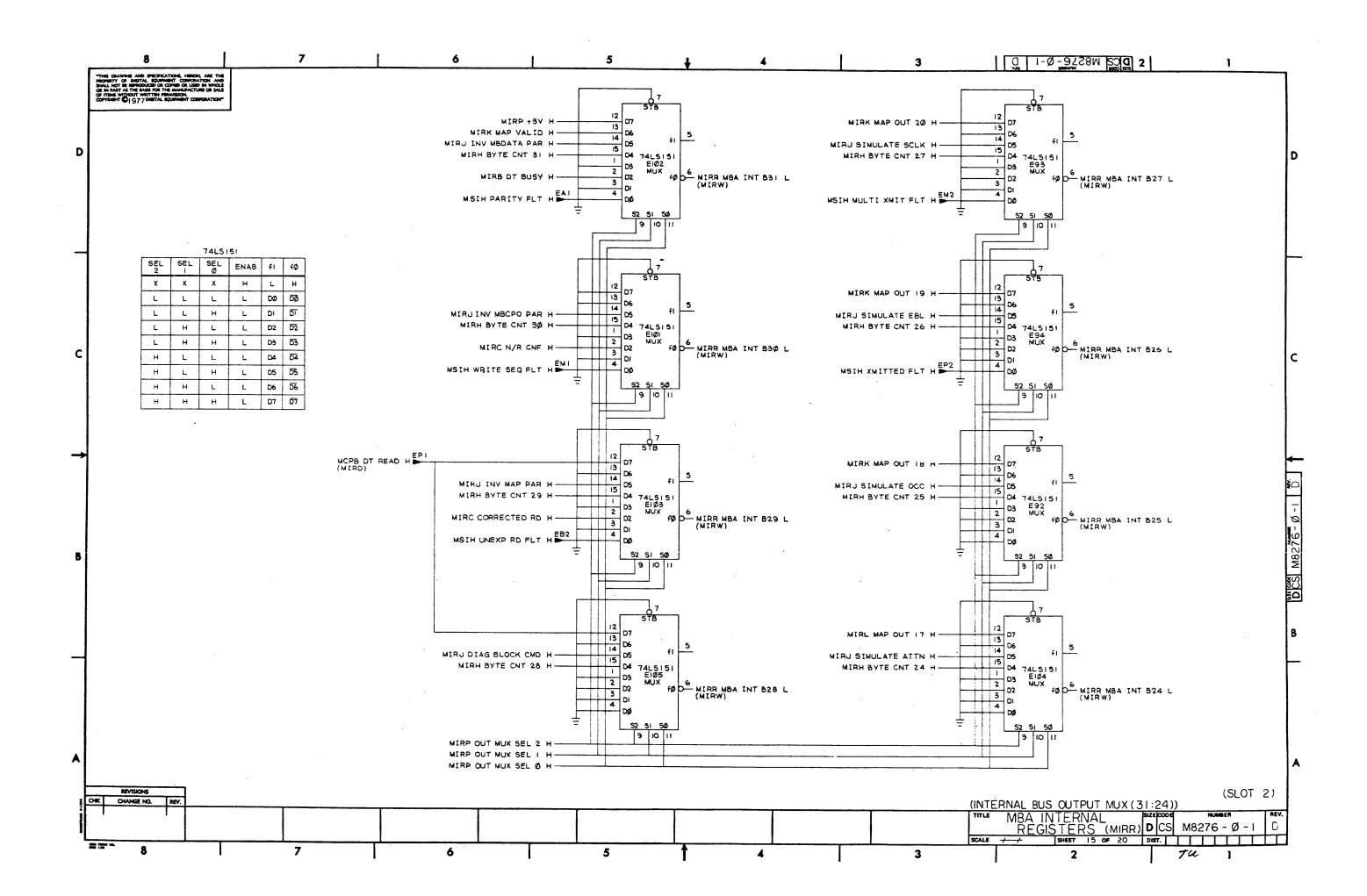


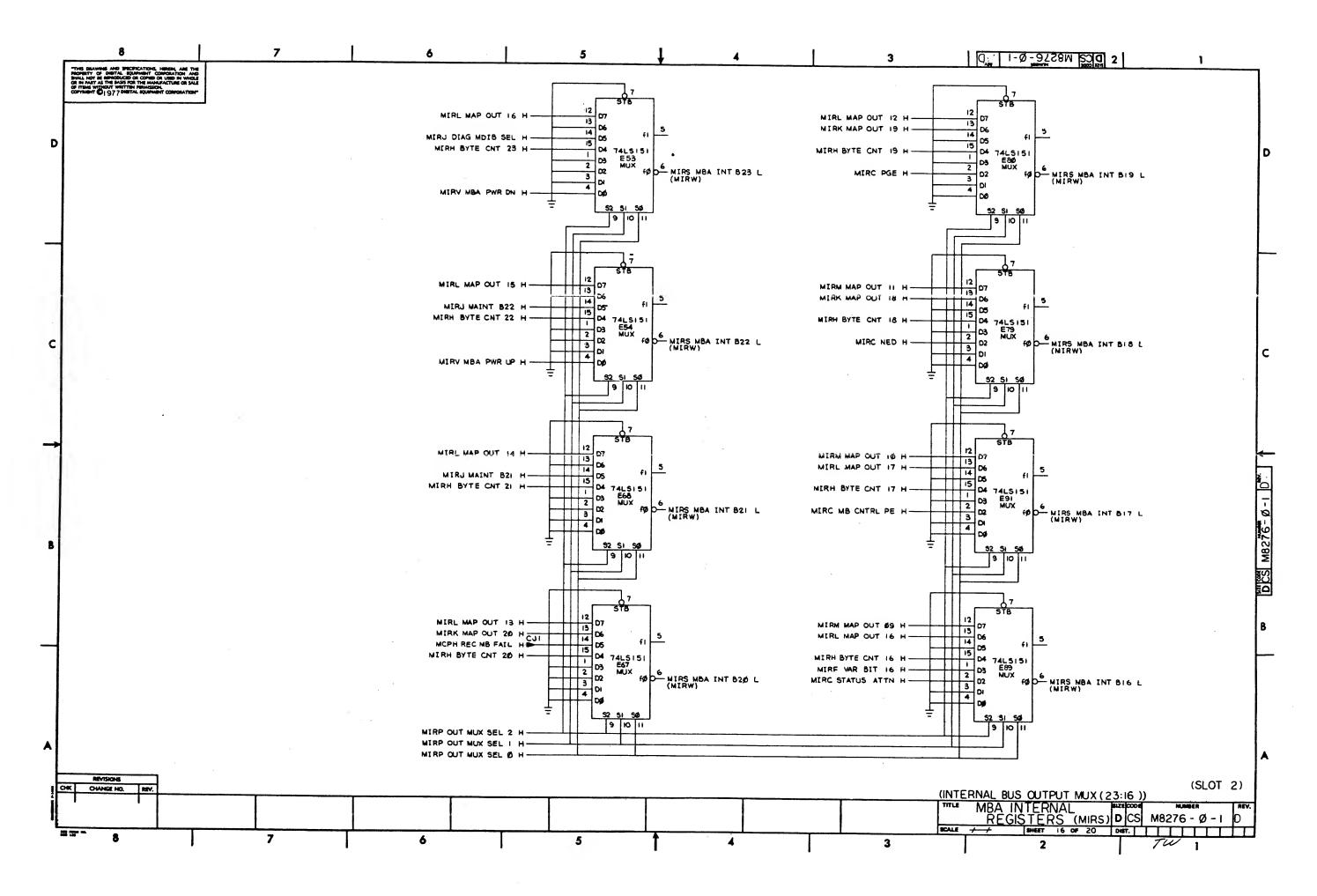




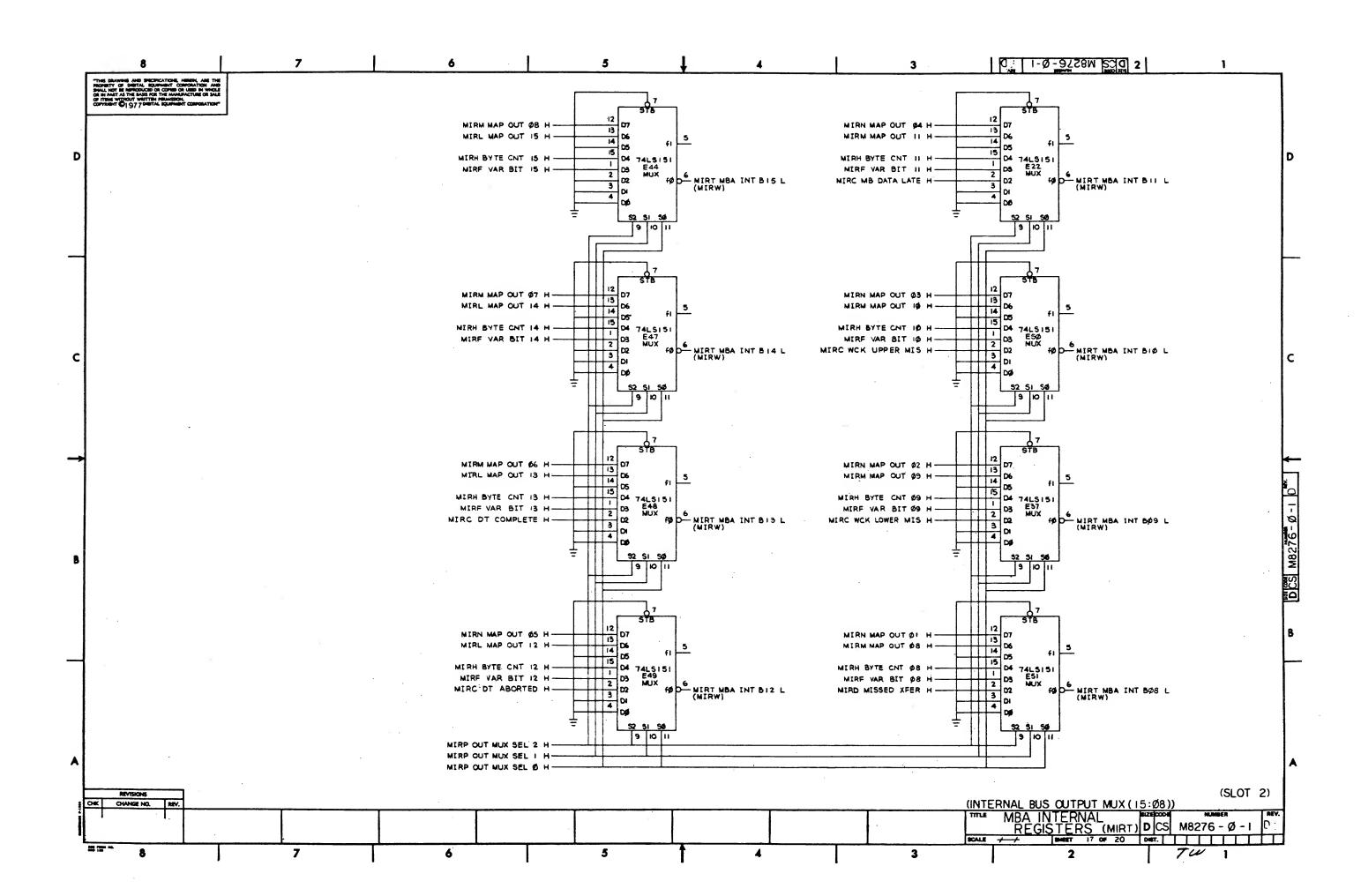


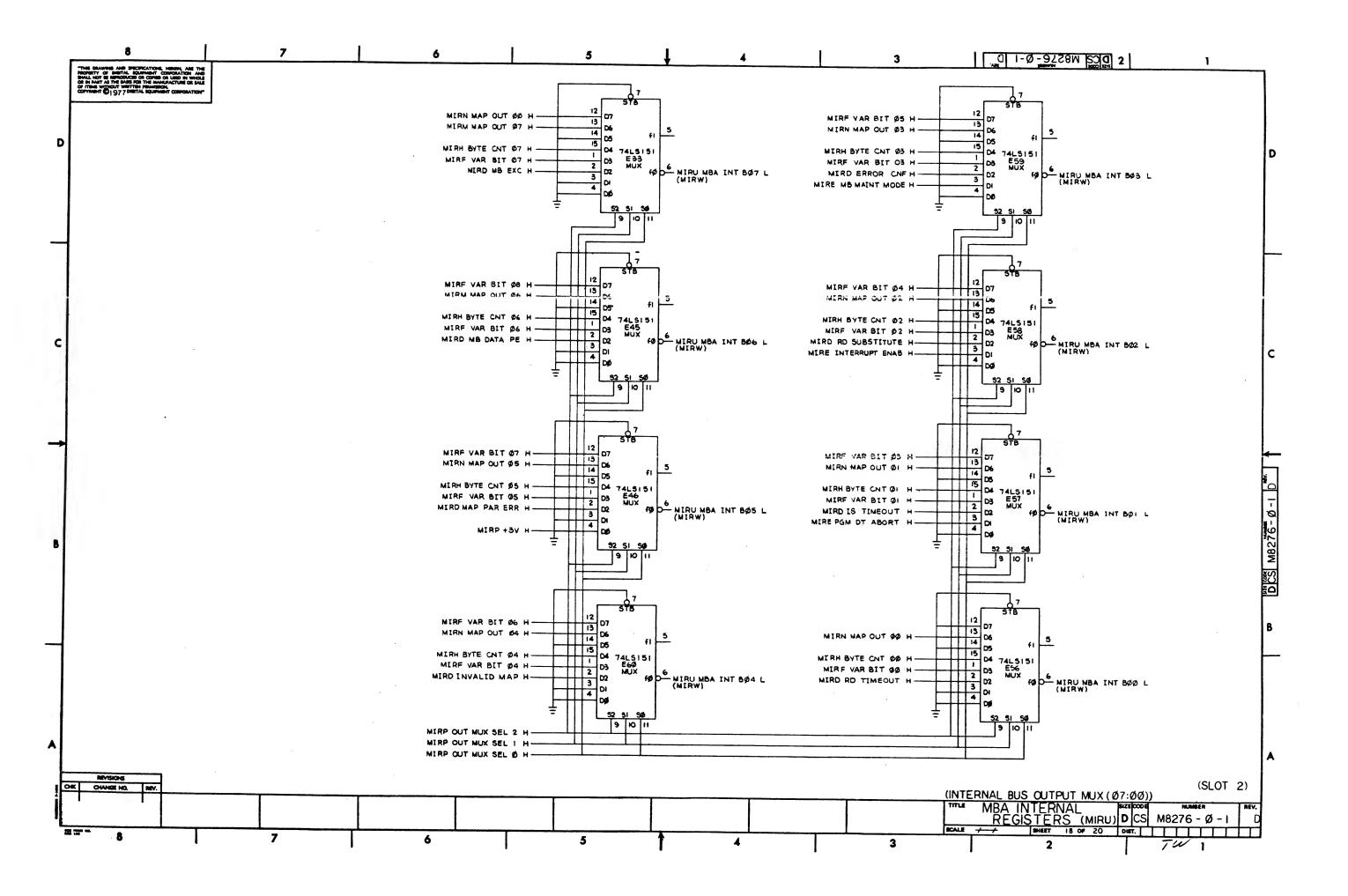


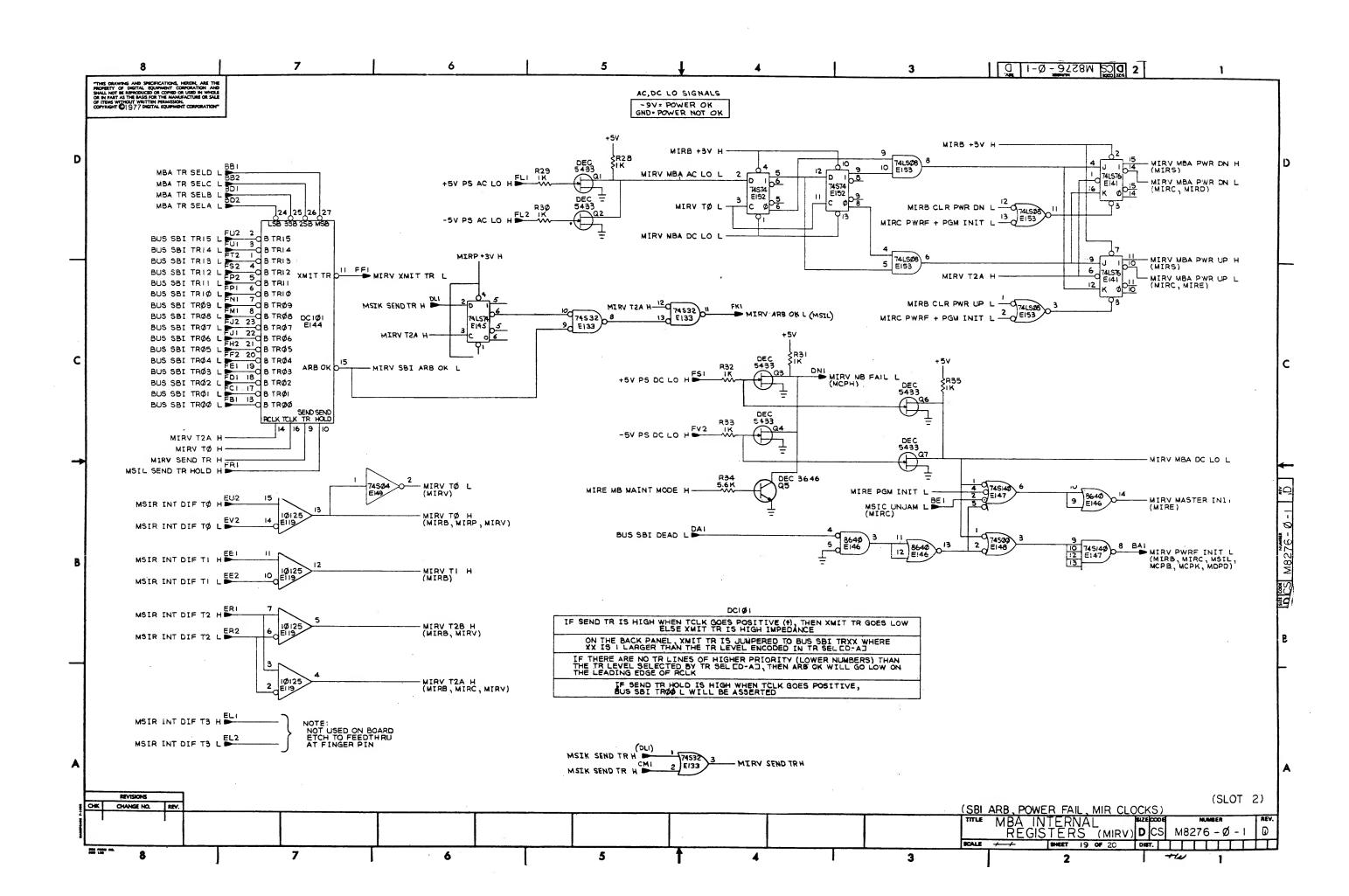


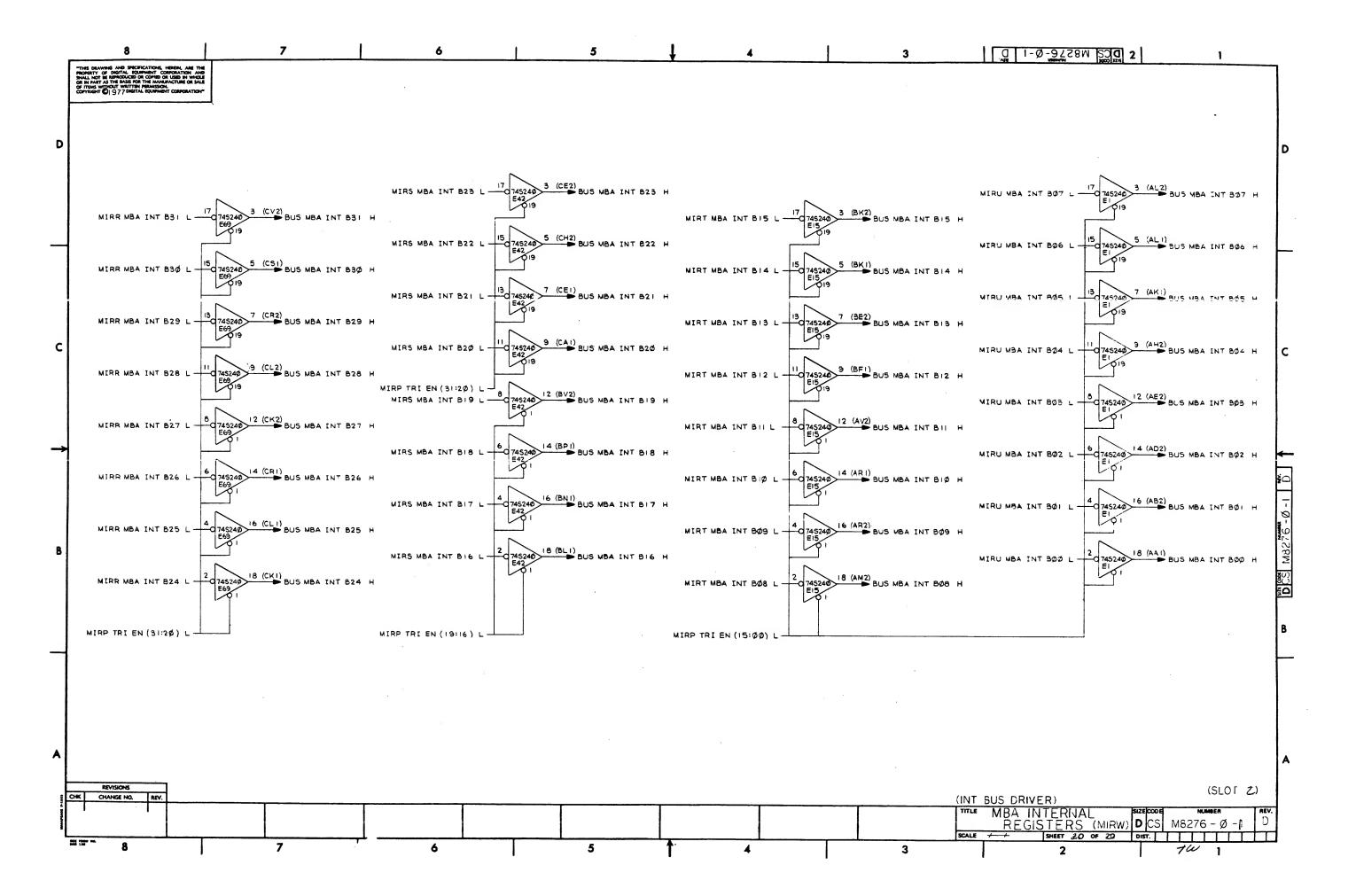


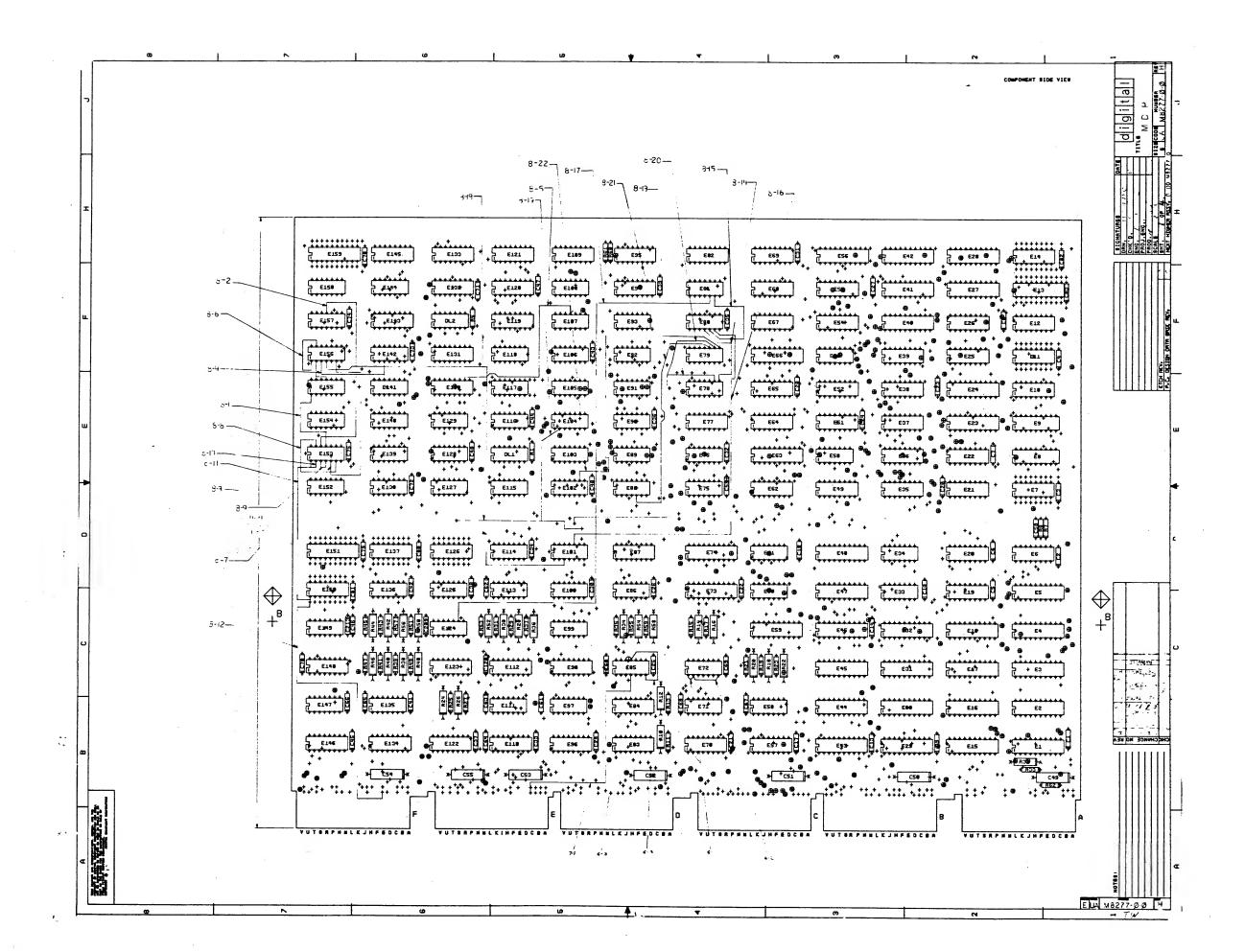
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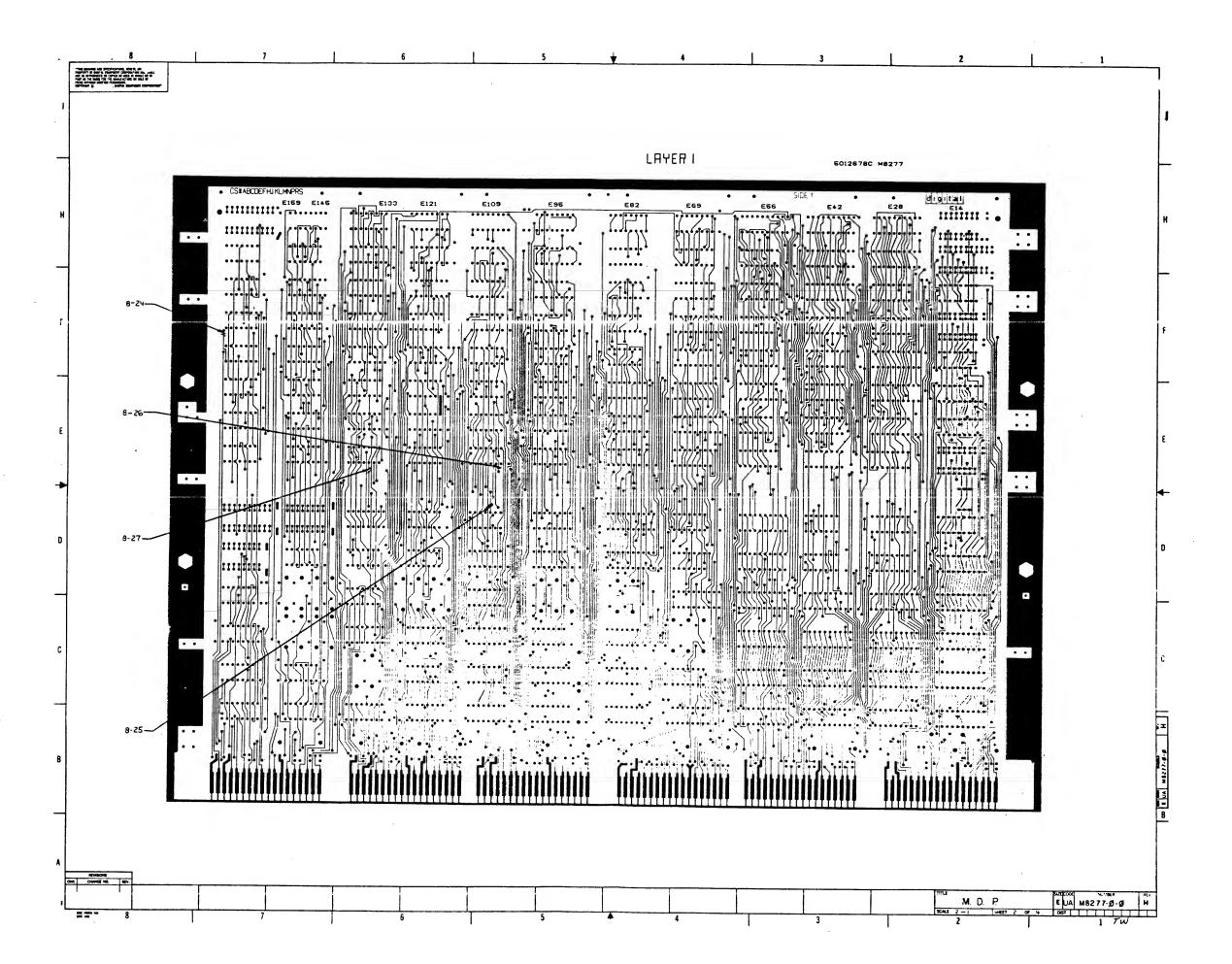


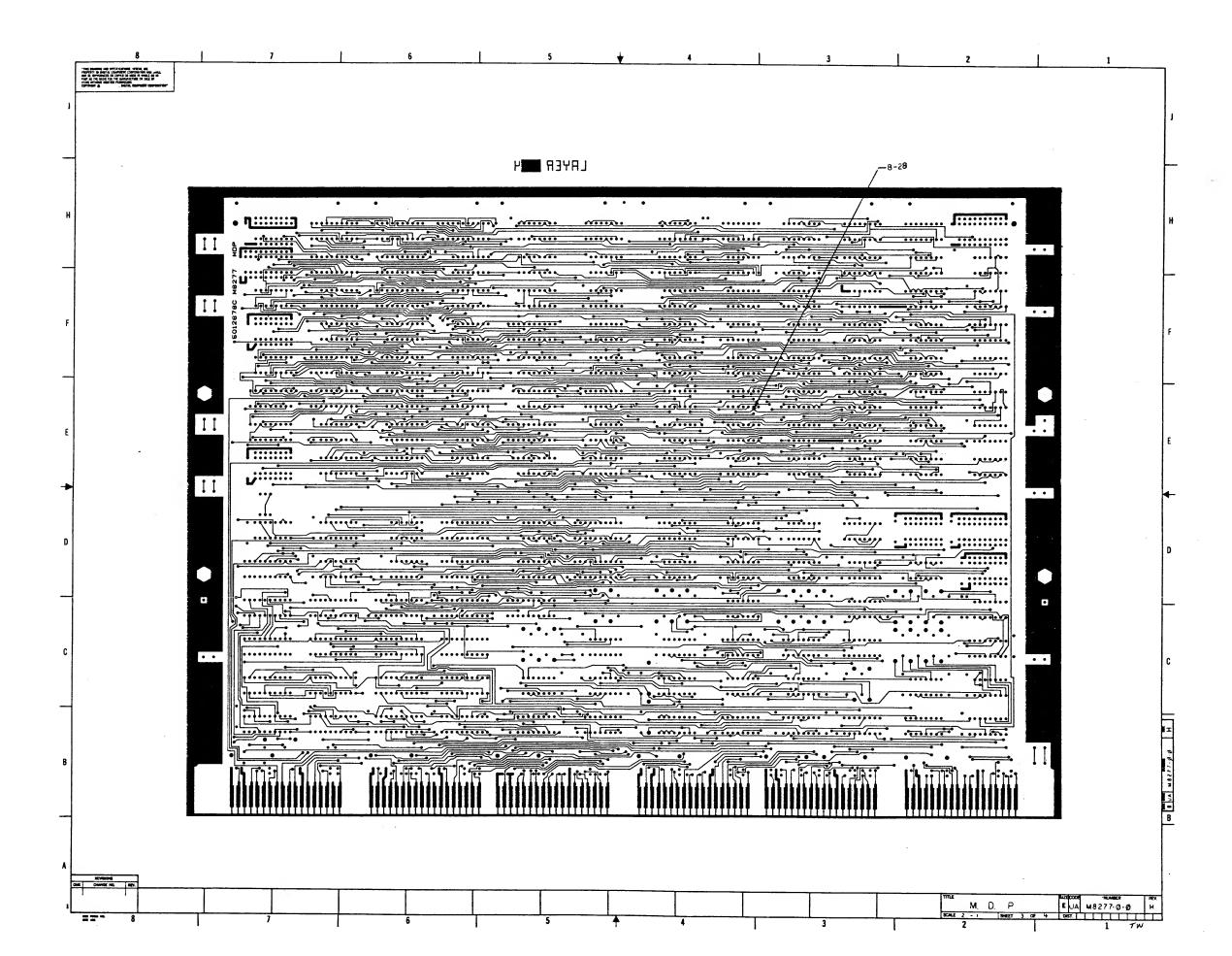












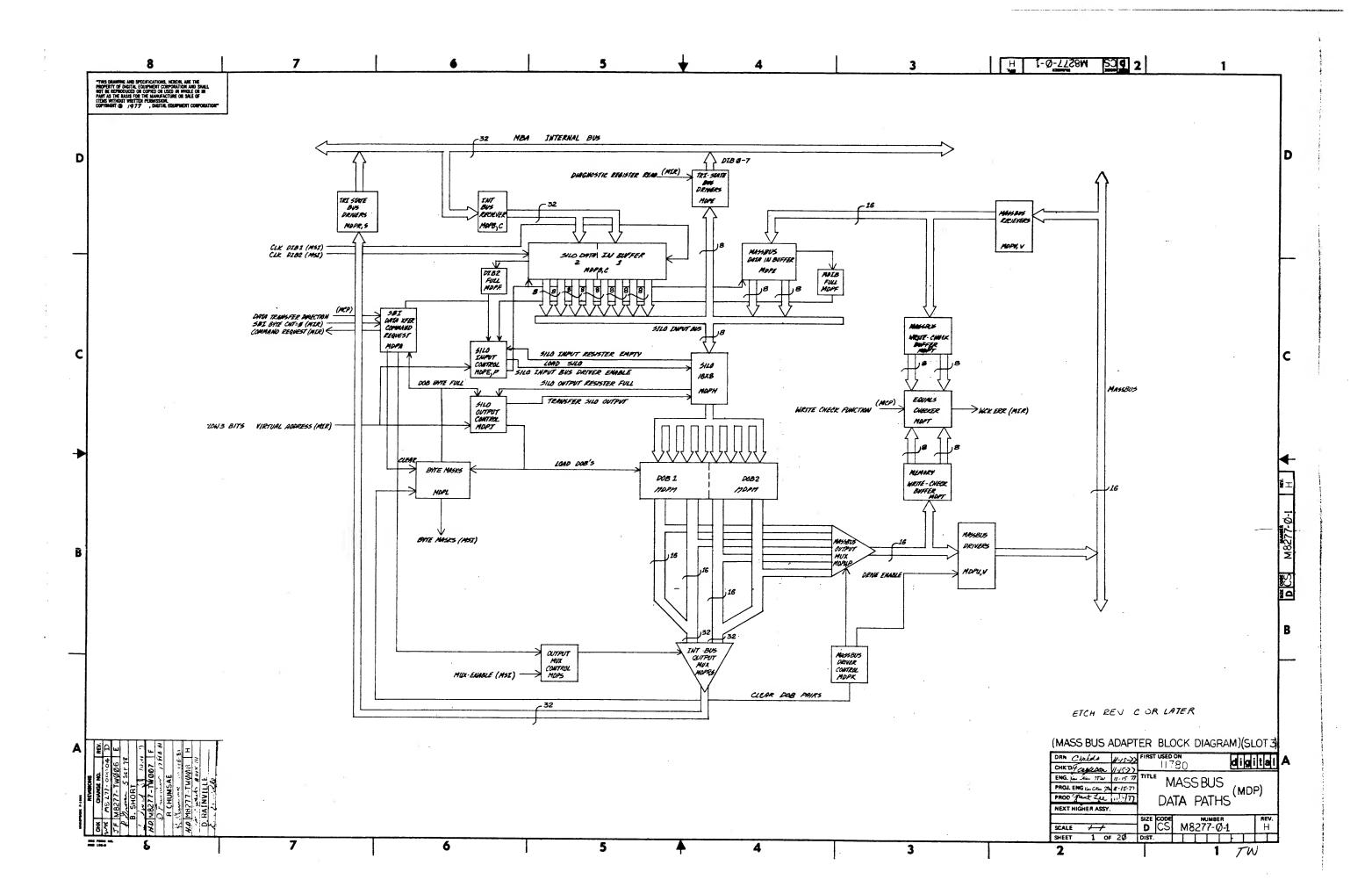
REWORK INSTRUCTIONS ECO"S WIRE ADDS SIDE 1: 6-1 FROM E72-1 TO E72-2 6-2 FROM E12-2 TOE 72-7 6 3 FROM EBS-11 TO EBS-12 6-4 FROM EBS-12 TO EBS-7 ECO" 7 WIRE ADDS SIDE 1: 7-1 FROM ESS-4 TO FEEDTHRU CONVECTED TO 11 JOULE PINECI. 5.40FB WIREADLS SIDE 1: 8-1 FROM ELSZ PITTITO ELST PINT 8-1 FROM EISS PHOLITO EIST PHOLITON EIST PHOLITON EISC PHOLITON EISC PHOLITON EIST PHO 9-9 (FINA E13) HING TO E153 PHIS
9-1 FROM E153 PHIS TO E153 PHIS
4-10 FROM E153 PHIS TO E153 PHIS
2- FROM E150 PHIS TO E153 PHIS
4-12 FROM E150 PHIS TO EMAKER FEZ
8-13 FROM PTH ABOVE E10 PHIS TO E18PHIS
8-14 FROM E19 PHIS TO E89 PHIS
A-15 FROM E19 PHIS TO E89 PHIS
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STA FROM ETA PHYS TO ESTA PHYS B-21 FROM E 77 PIN IN TO E88 PING B-22 FROM E 77 PINS TO EIST PINS CON POWET ADDS SIDE 1: 8-23 ADD IK RESISTING FROM EITO PINT TO EISO PINTE ETC-CITS SIDE 1: 8-29 GUT ETCH AT FEELTH FOUGH HOLE BELOW EISSELN 6-25 CUT ETCH SIDE , BETWEEN E 100 P NO AND THE 6-16 CUT ETCH SIDE), BETWEEN E 102 PIN 6 AND 7 AND PTH B-27 CUT ETCH SIDE I, BETWEEN E127 7 15 AND PTH ETCH CUT'S SIDE 2: 8-28 CUT ETCH SIDEZ, BETWEENE MAPIN & AND ETCH RUN EUA M8277-0-0 H M.D.P.

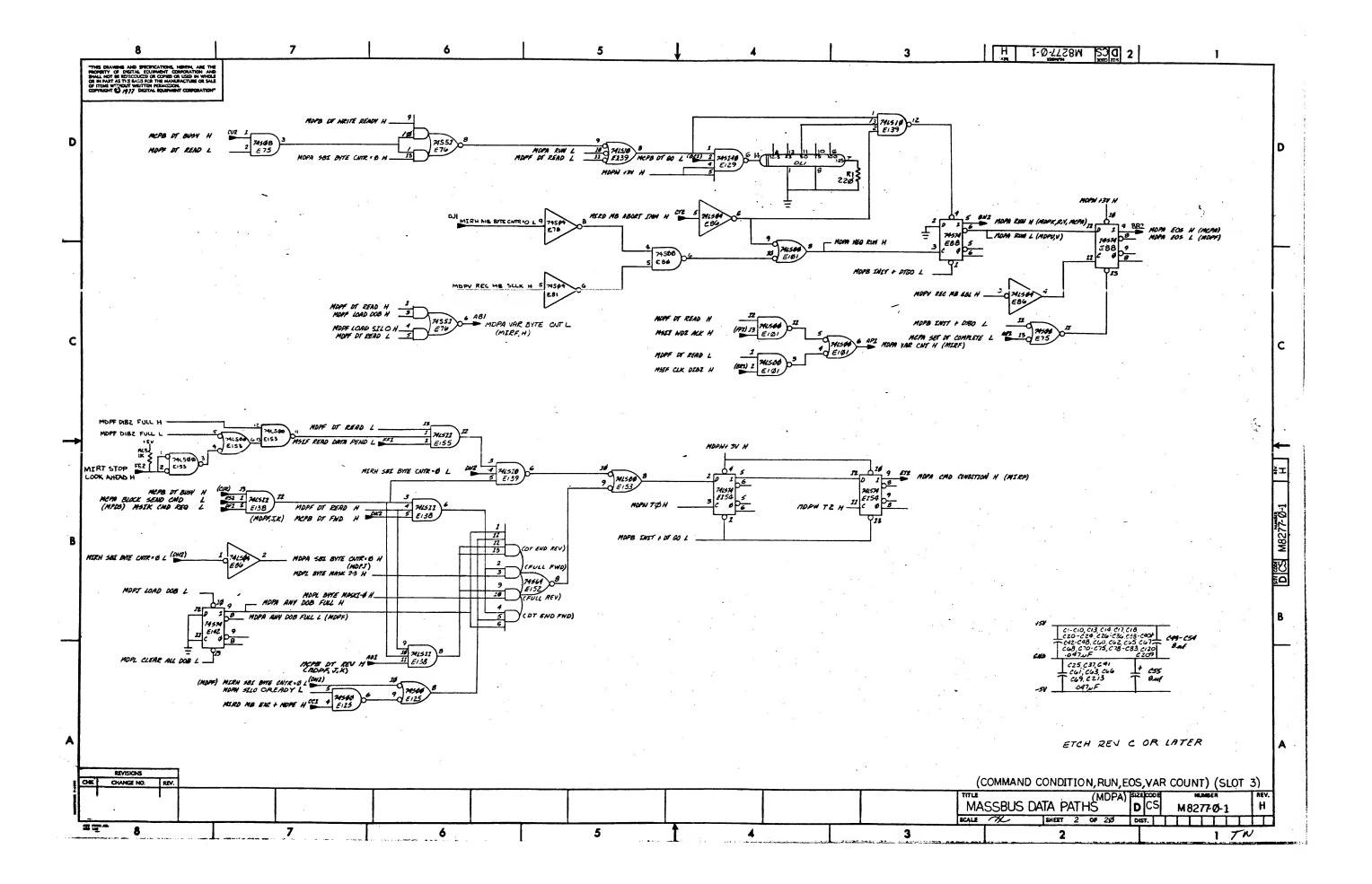
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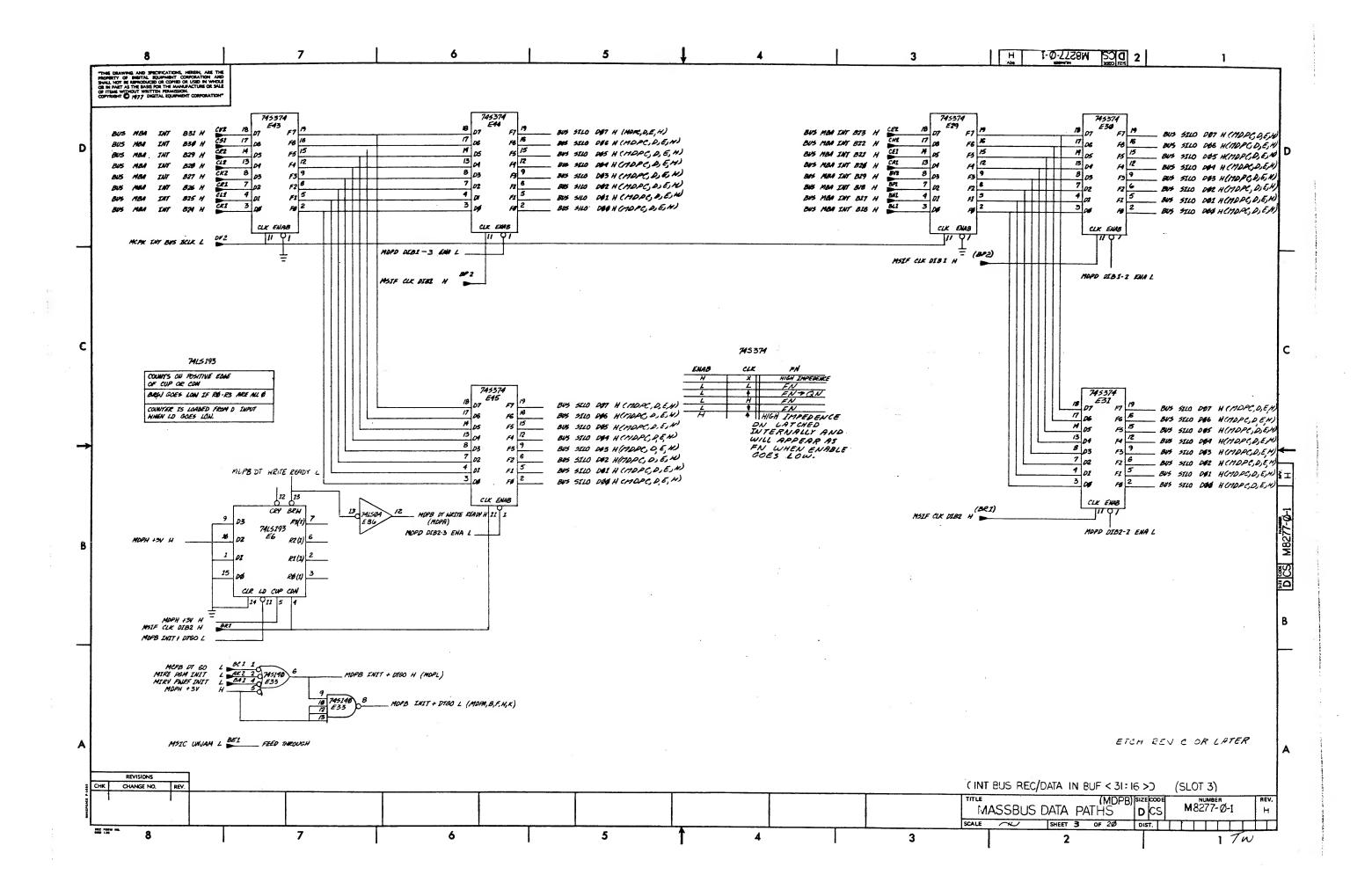
AUTO	1ATED	BY PRTLS	T.3L(36)		F A	RTS L	ısт	OTV E	er Variatio	SHEET A2 OF A2
LINE	ITEM	DOCUMENT	NUMBER	PART NUMBER	DESCRIPTION	ł		00	CK VHKIHIIL	REFERENCE DESIGNATOR
29	29			1910545-00	748112		L,EDGE TRIG	. 1		E143
30	30			1911712-00	74951		TE-INVERT D	1		E76
3.1	31			1911675-00	74S138		MUX 3-8 LIN	.1		E19
32	32			1912843-00	LS139		2 OF 4(DUAL	1		E145
33	33			1910546-00	745140		-DUAL 4INFU	3		E33,E116,E129
34	34			1912844-00	LS151		8 & DATA	1		E130
35	35			1910547-00	748153	MUX 1 OF	4 (DUAL)	9		E25,E36,E37,E38,E39,E52,E54,E55,
									CONT	E133
36	36			1910549-00	748158	MUX 1 OF	2 (QUAD)	10		E10,E12,E21,E22,E26,E35,E49,E51,
									CONT	E68,E126
37	37			1910957-00	74S175	FF-D QUAD	COMMON CLO	1		E20
38	38			1912853-00	LS175	FF-D QUAD		1	*	E109
39	39			1912854-00	LS193	COUNTER, S'	YNCHR, 4BIT,	6		E67,E69,E82,E6,E94,E95
40	40			1913462-00	748240	ULTAL BUFF	-ERFINVERTI	- 4		E4,E18,E32,E46
41	41			1913493-00	748241	OCTAL BUF	FER,TRI-STA	2		E5,E59
42	42			1912860-00	LS259	LATCH 8BI	Γ	1		E119
43	43			1911573-00	745280	PARITY GET	V/CHKR,9BIT	4		E50, E53, E60, E61
44	44			1913670-00	748373	LATCH 8B	IT TRASP TR	10		E23,E24,E27,E28,E40,E41,E42,E56,
									CONT	E73,E74
45	45			1913671-00	748374	FF-D OCTAL	_ TRISTATE	16		E1-E3,E15-E17,E29-E31,E43-E45,
									CONT	E47,E48,E63,E66
46	46			1910268-00	DEC 75107E	RECEIVER	LINE, DUAL,	11		E58,E71,E72,E85,E97,E99,E135,
		•							CONT	E111,E124,E147,E149
47	47			1911341-00	75113	DRIVER, L	INE, DUAL, MA	12		E57,E70,E83,E84,E96,E98,E110,
								-	CONT	E112,E123,E134,E146,E148
48	48			1911415-00	10125	ECL TO TTI	TRNSLTR	1		E122
49	49			1912586-00		REGISTER		2		E8,E9
50	50			1300365-00		.25 W 5.0 %		- 2		R62,R63
51	51			1301477-00		.25 W 5.0 %		25		R11,R13,R15,R17,R19,R21,R23,R25,
						, m m , m , m ,	• 00	A C.	CONT	R27,R29,R31,R33,R35,R37,R39,R41,
									CONT	R43,R45,R47,R49,R51,R53,R55,R57,
									CONT	R59
52	52			1301781-00	82.0	.50 W 5.0 %	cc cc	25	COMI	R12,R14,R16,R18,R20,R10,R22,R24,
					w & v W	100 W 010 /	- 00	ب بند	CONT	
									CONT	R26,R28,R30,R32,R34,R36,R38,R40,
				•					CONT	R42,R44,R46,R48,R50,R52,R54,R56,
53	53			9105740-55	WIRE(WRAP)3	ALIG	UL1423	A/R	CURI	R58 -
				/100/10 00	write / MI/LII / A	VHWU	OFT450	m/ K		·

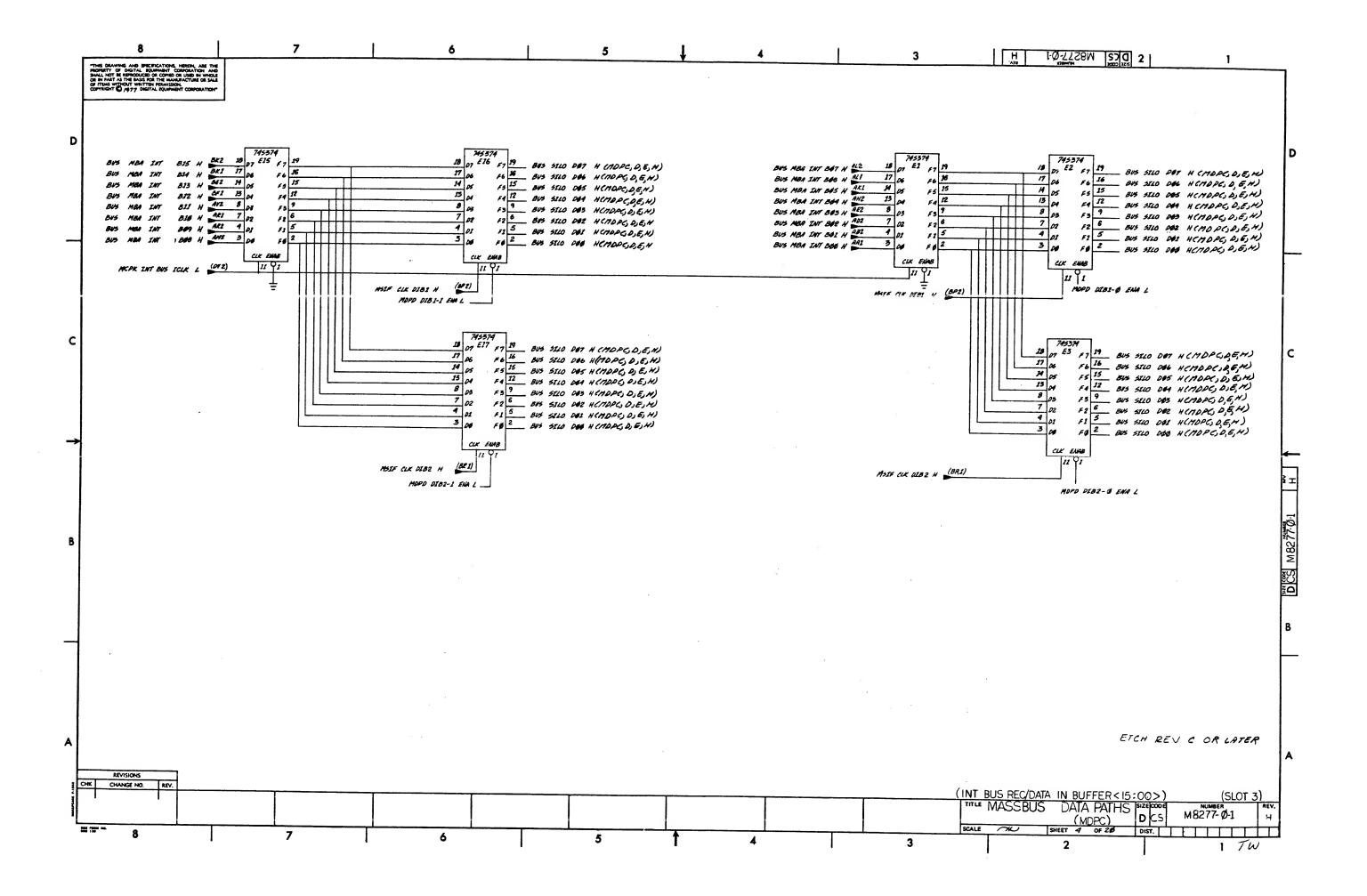
54 NOTE: I.C. SPARE LOCATIONS ARE; E7,E13,E14,E137,E150,E151,E159,E87,E11.

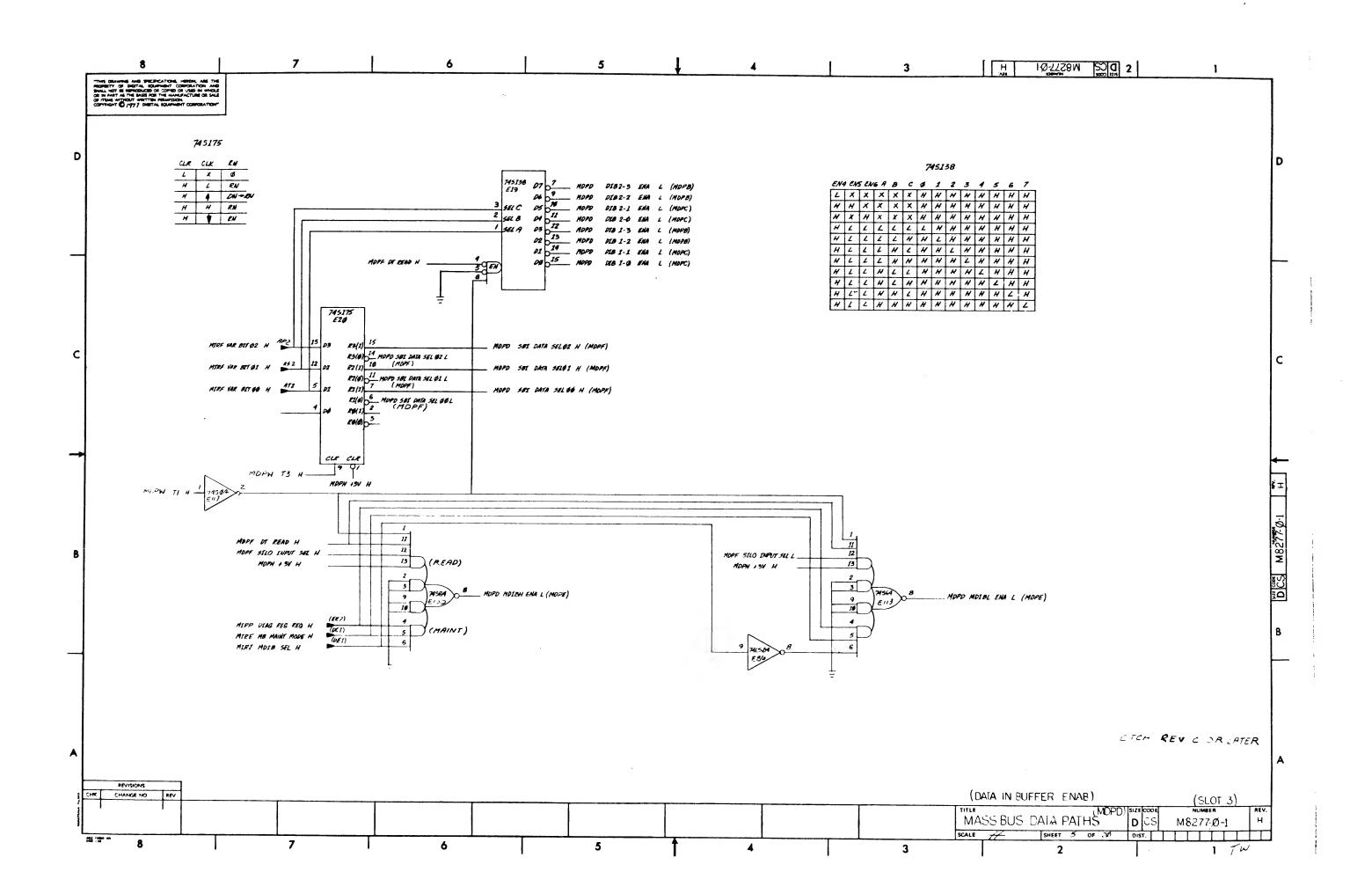
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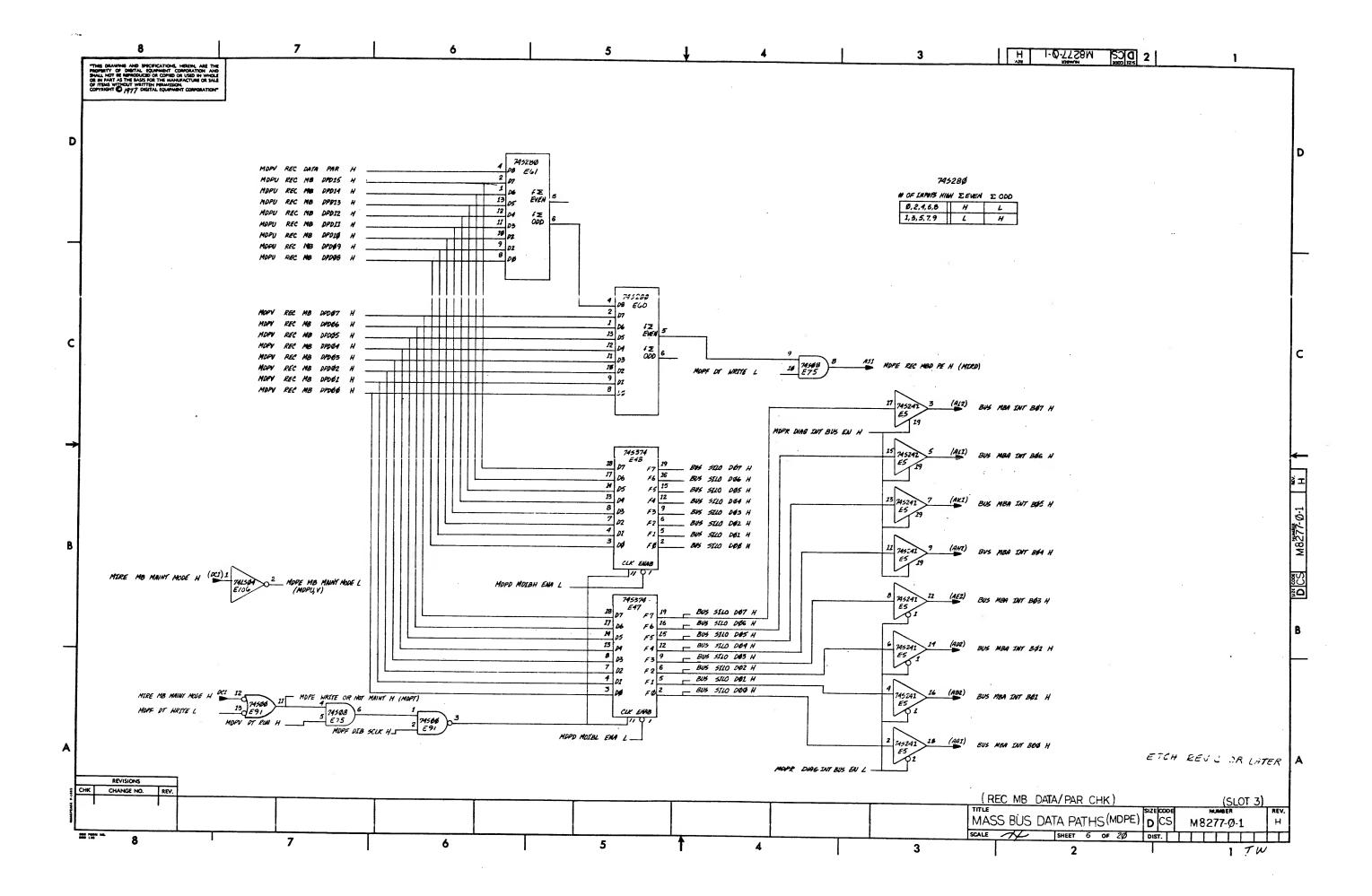


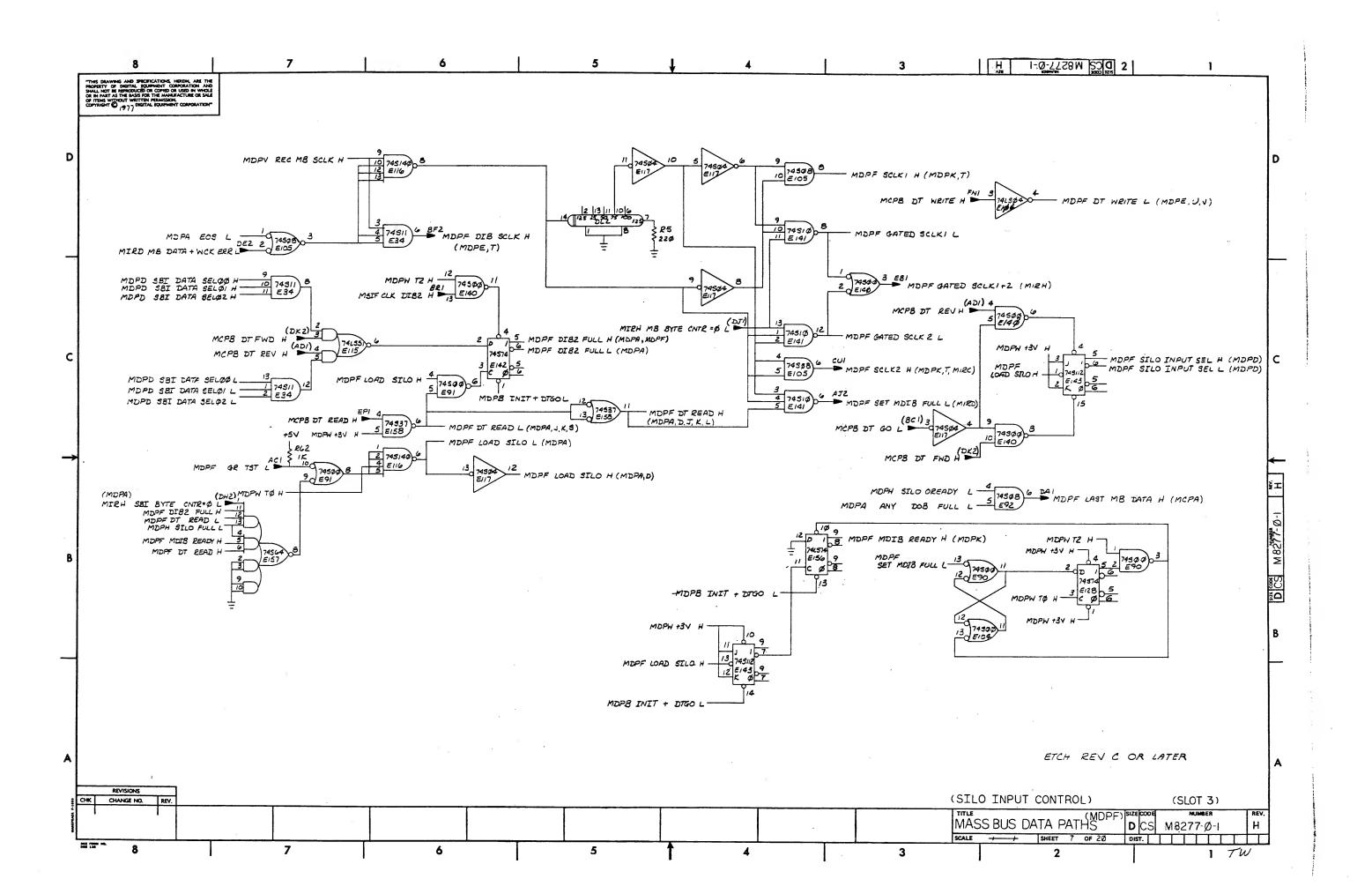


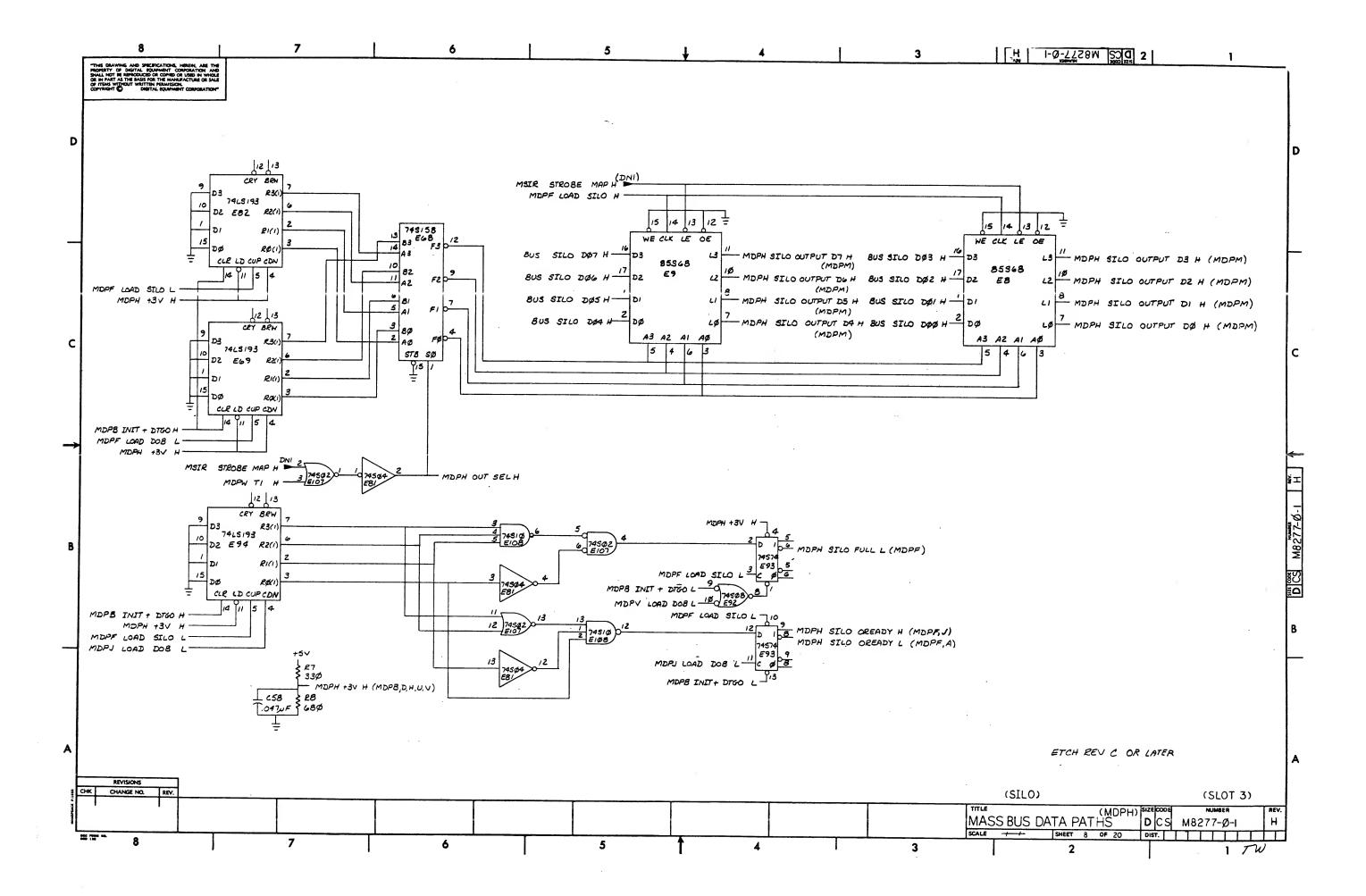


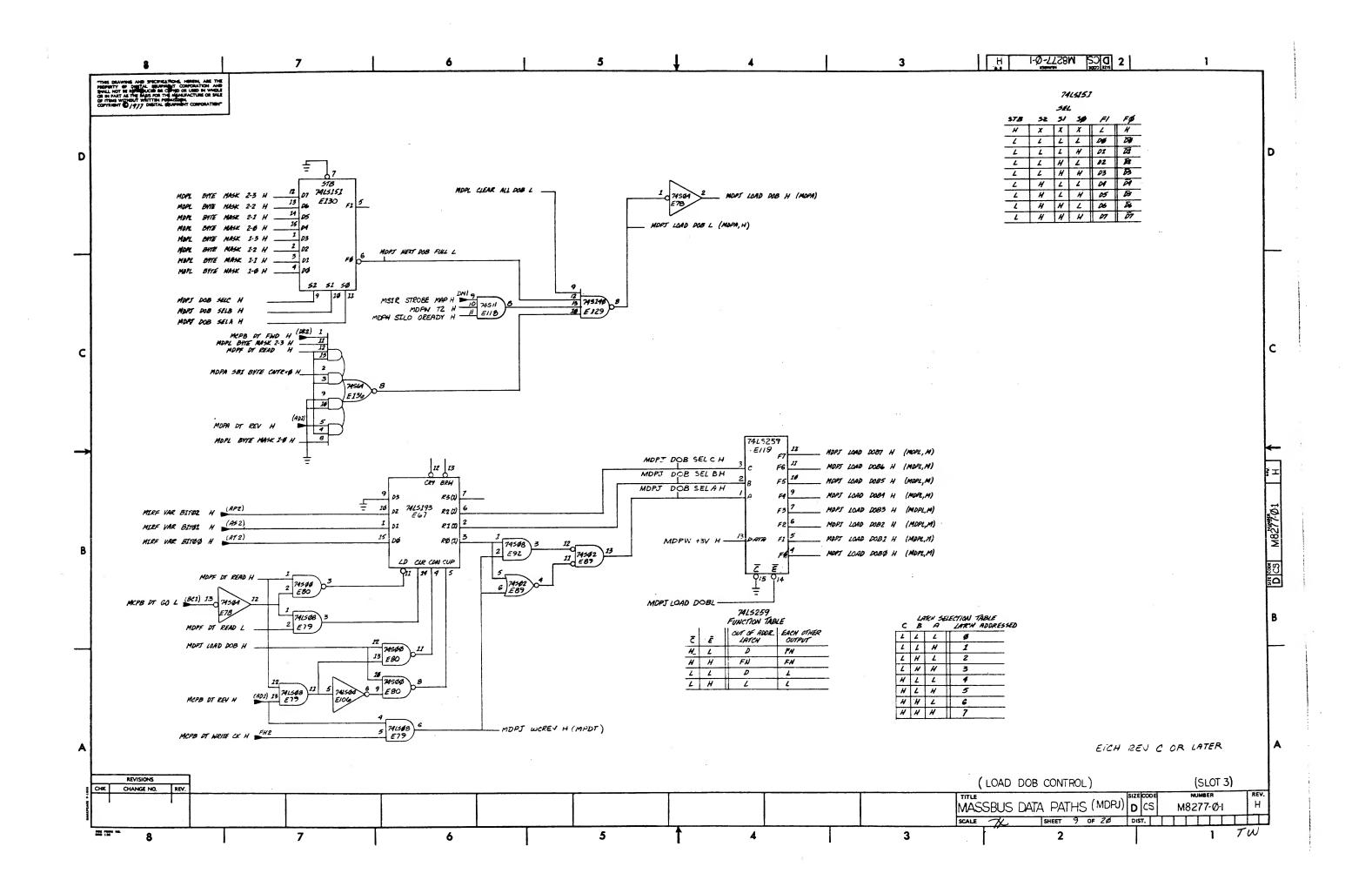


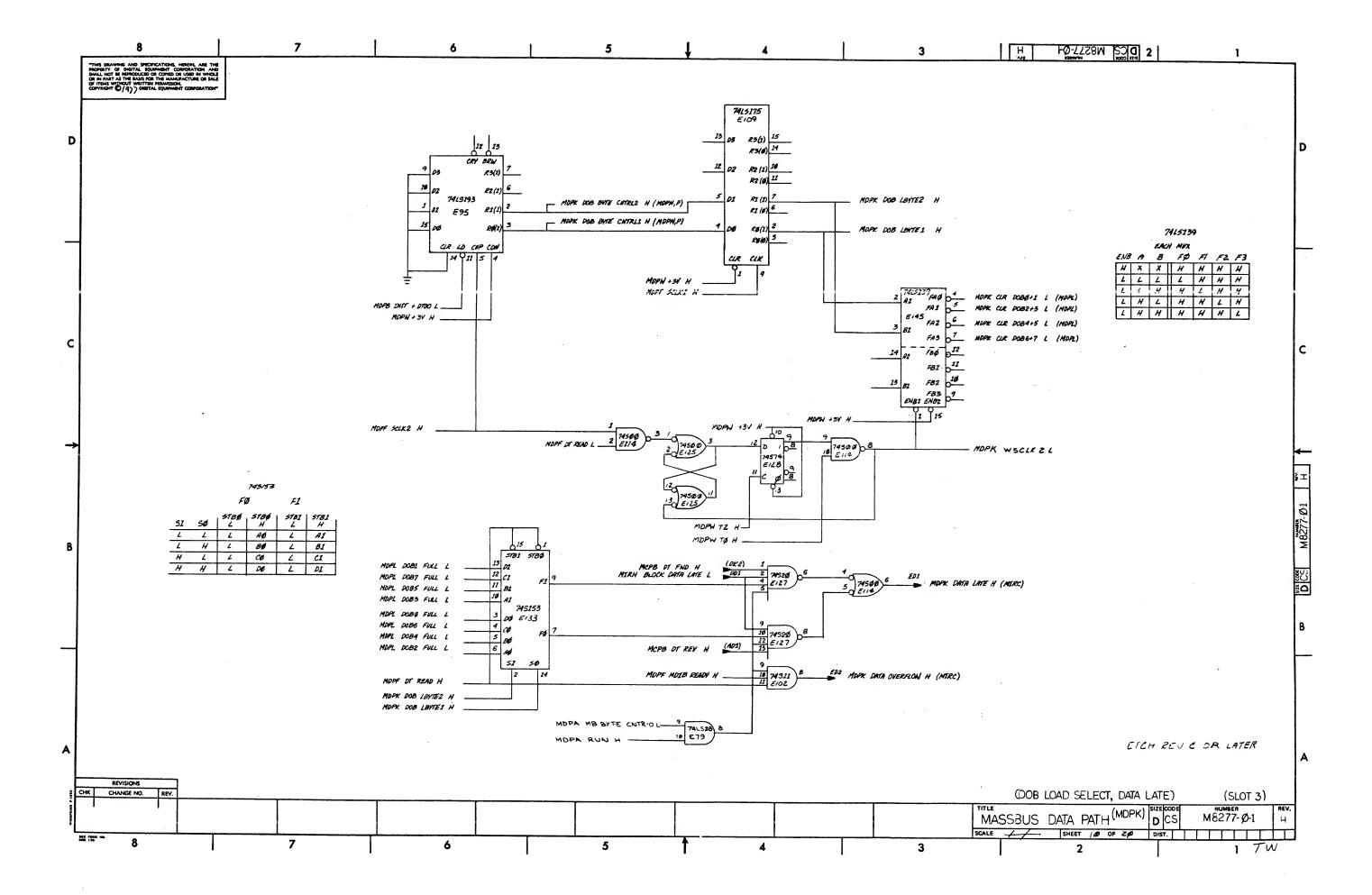


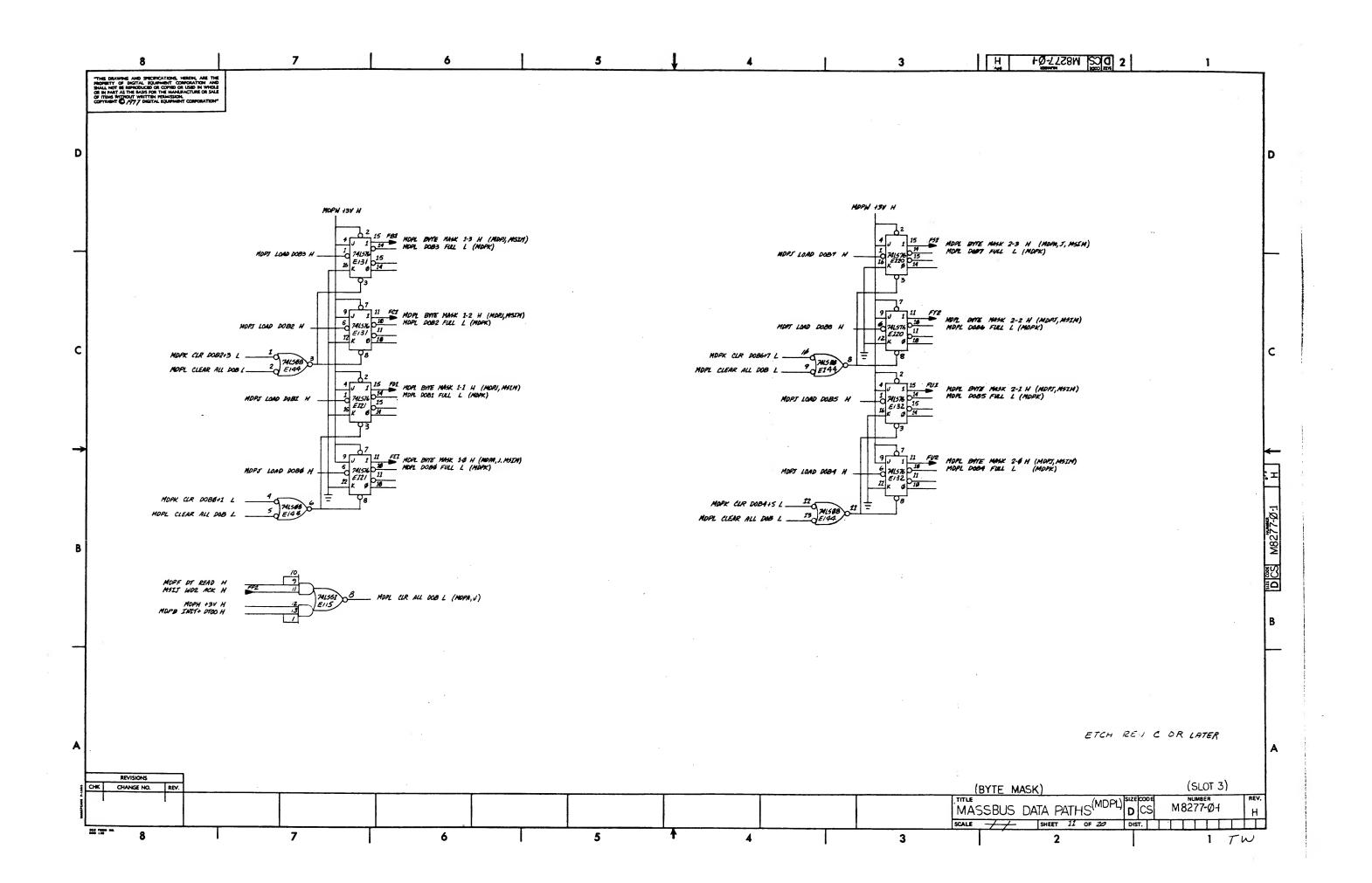


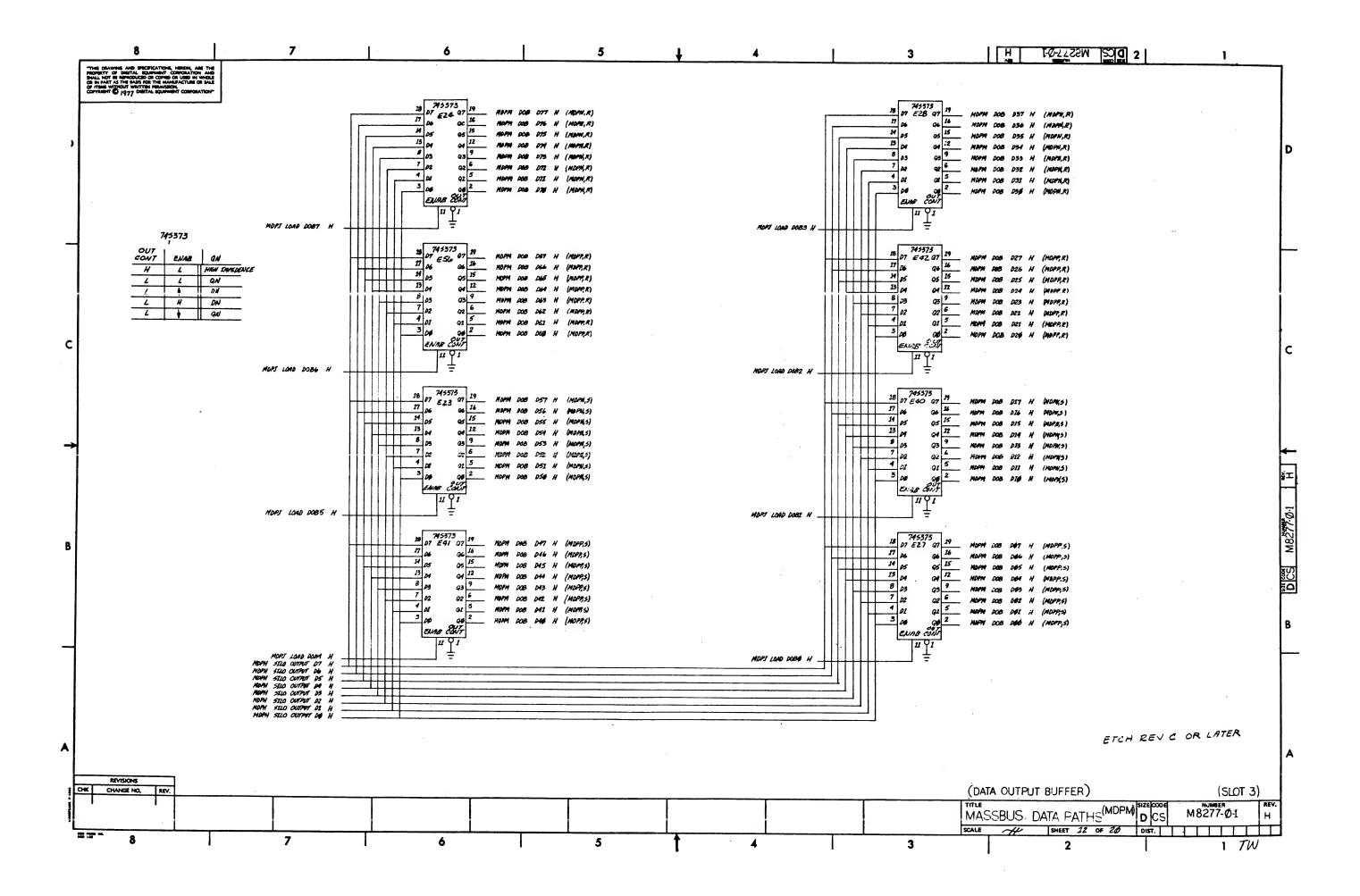


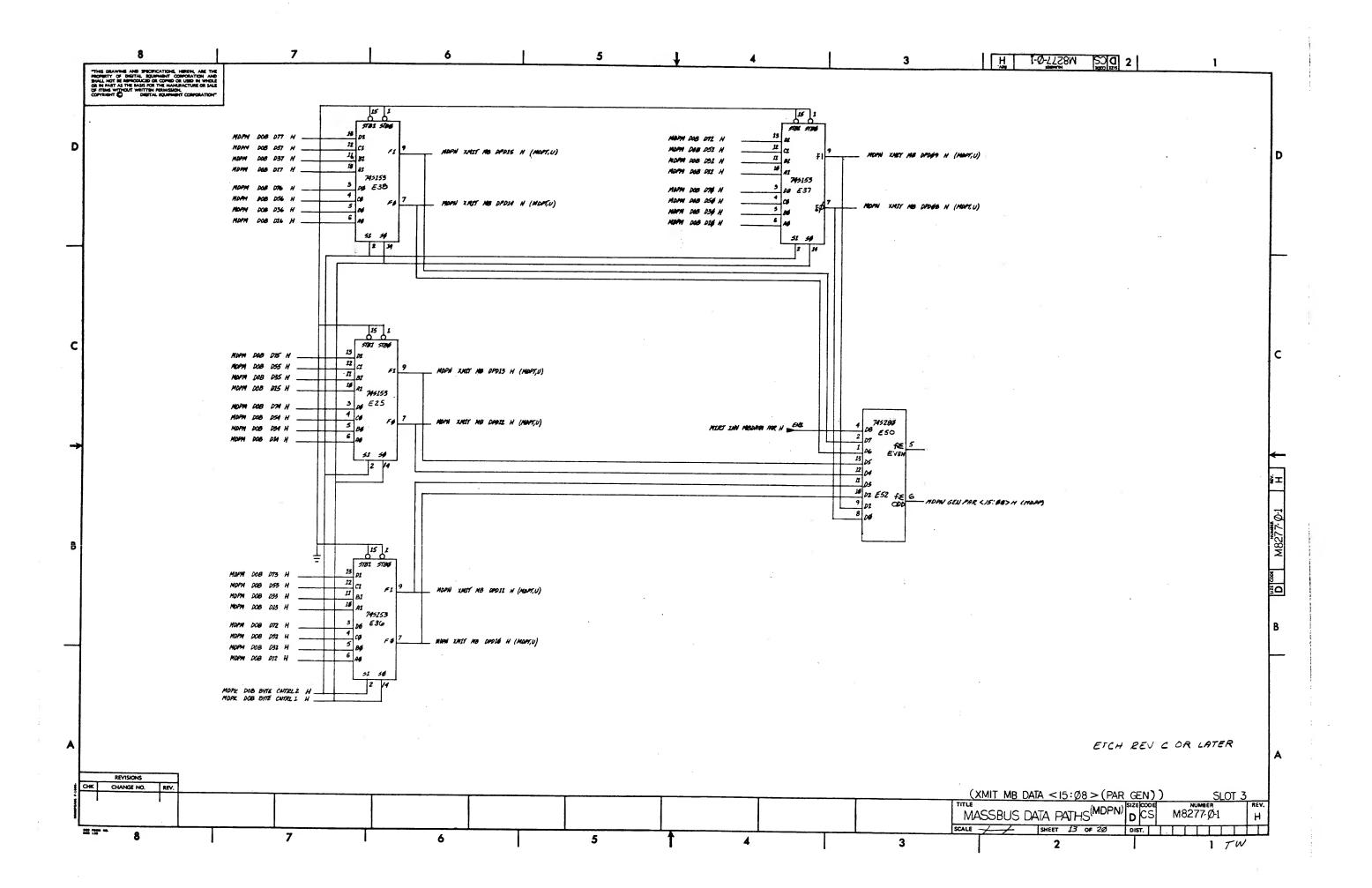


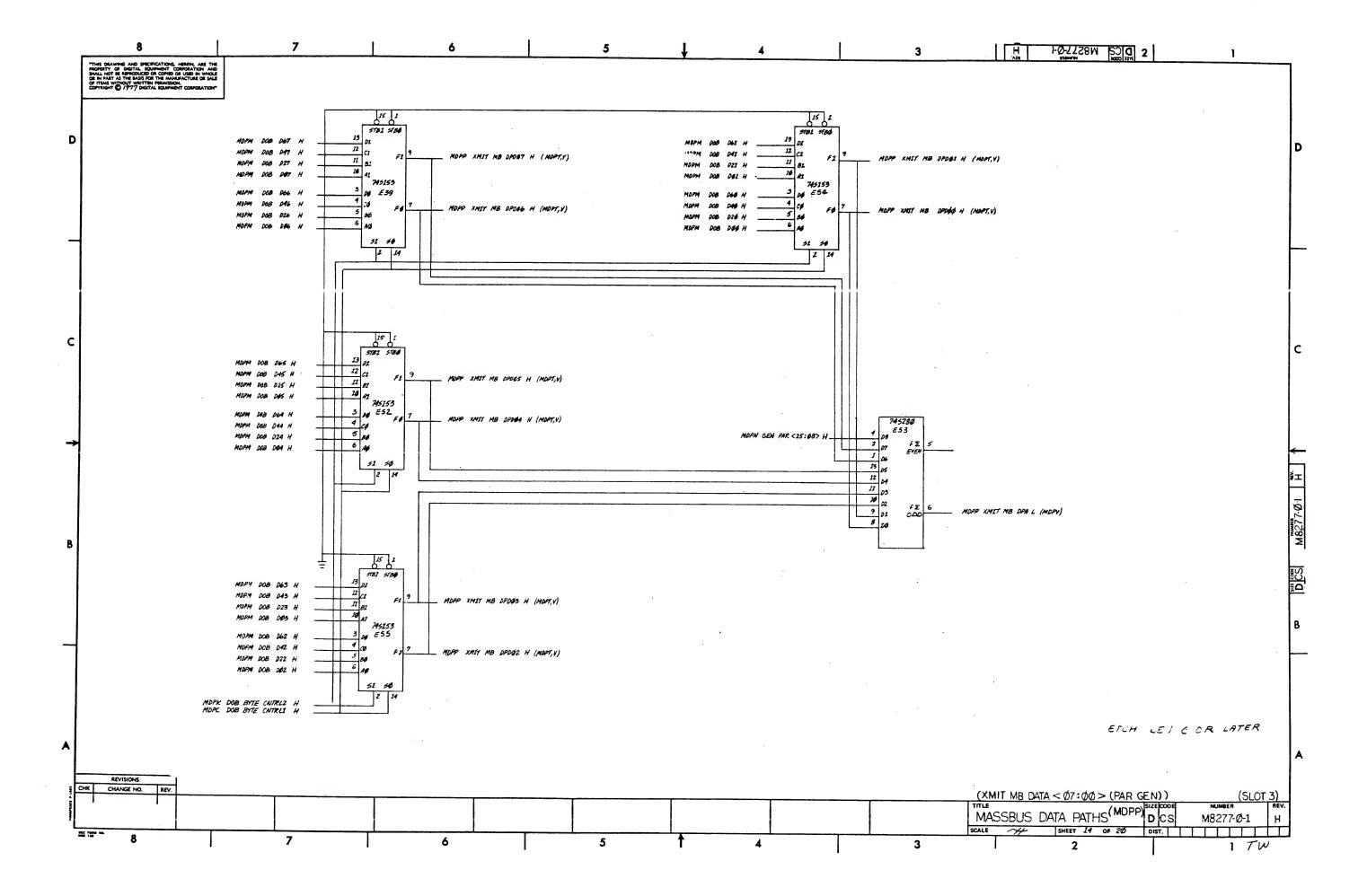


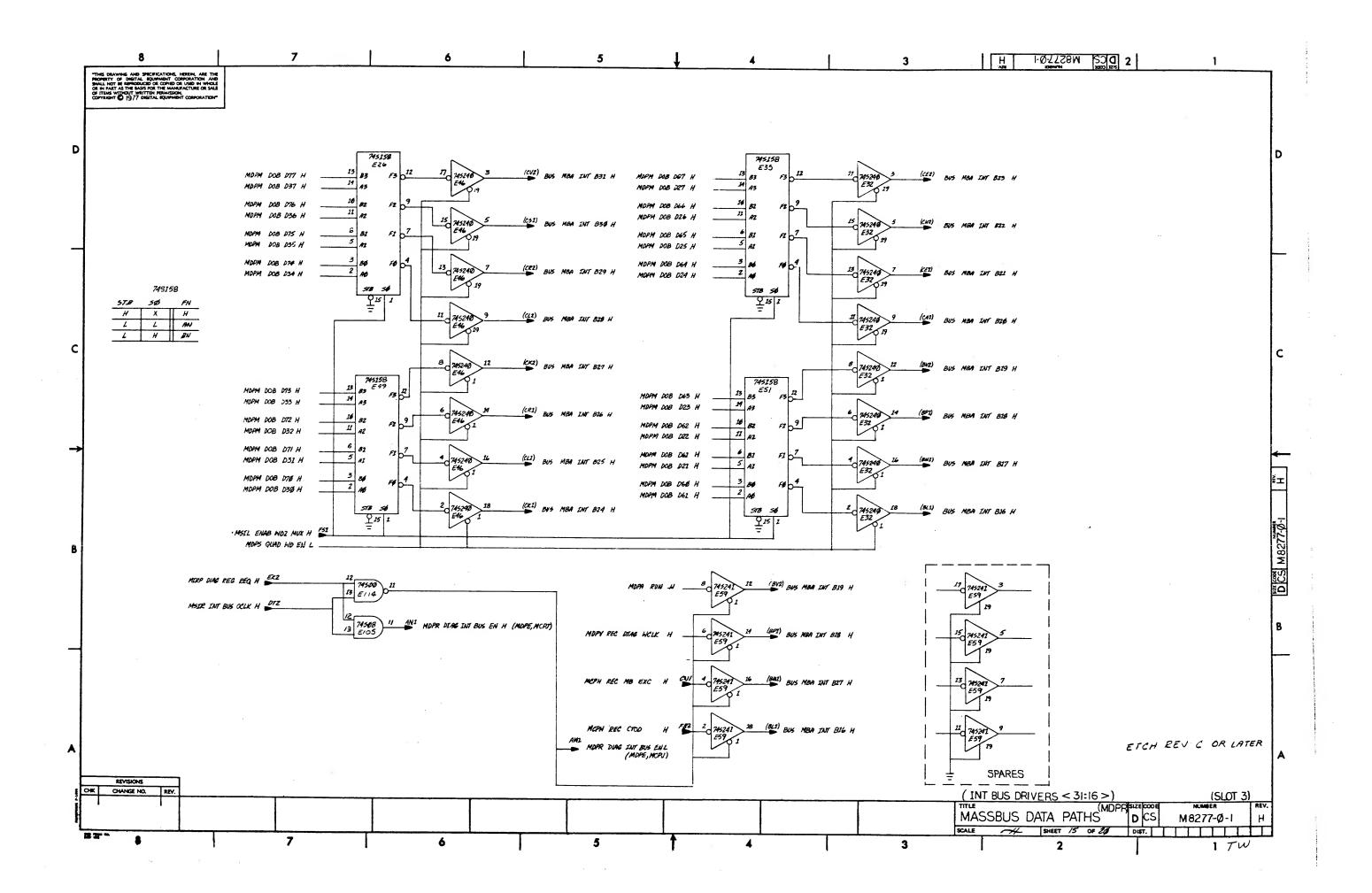


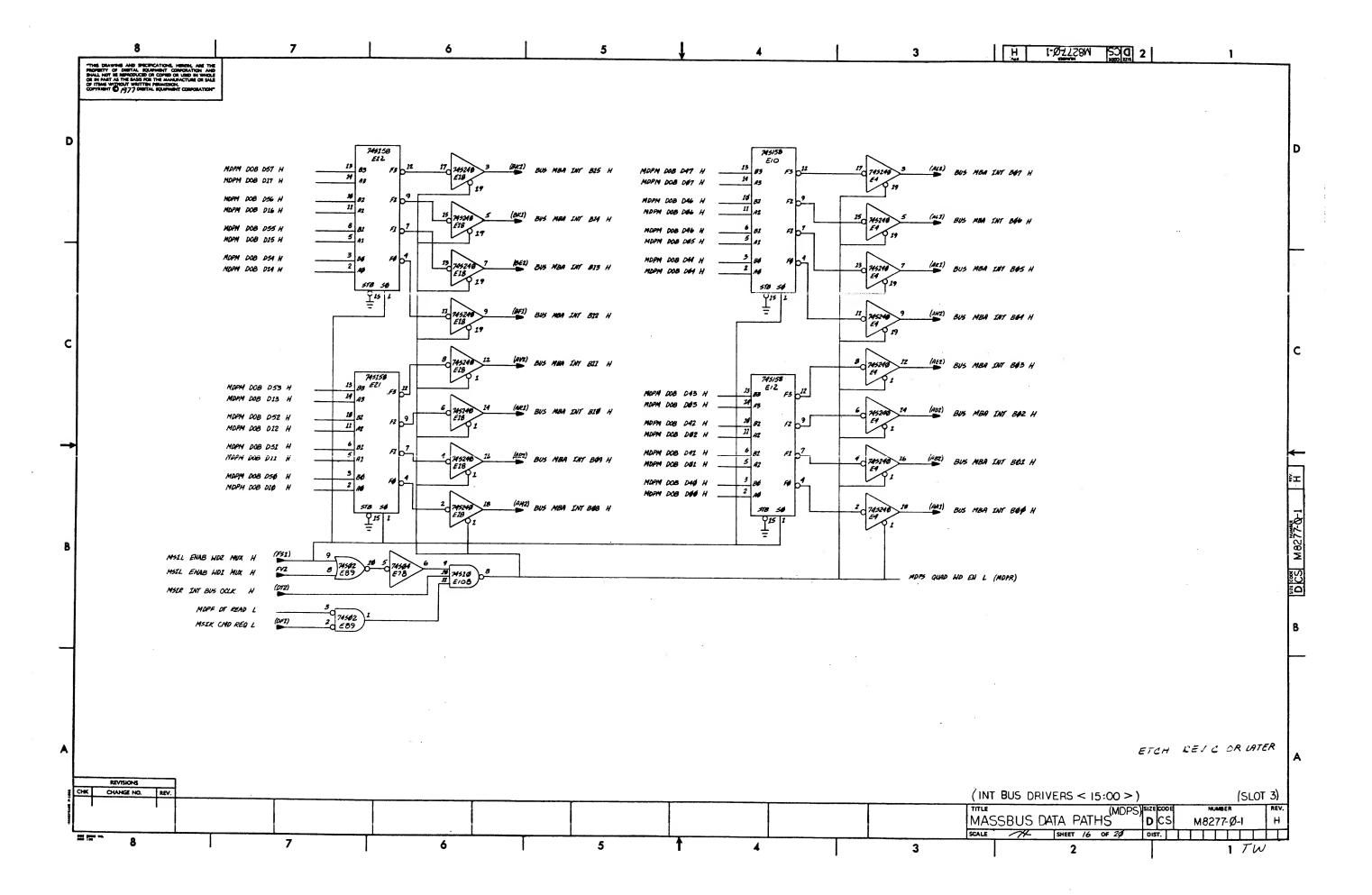


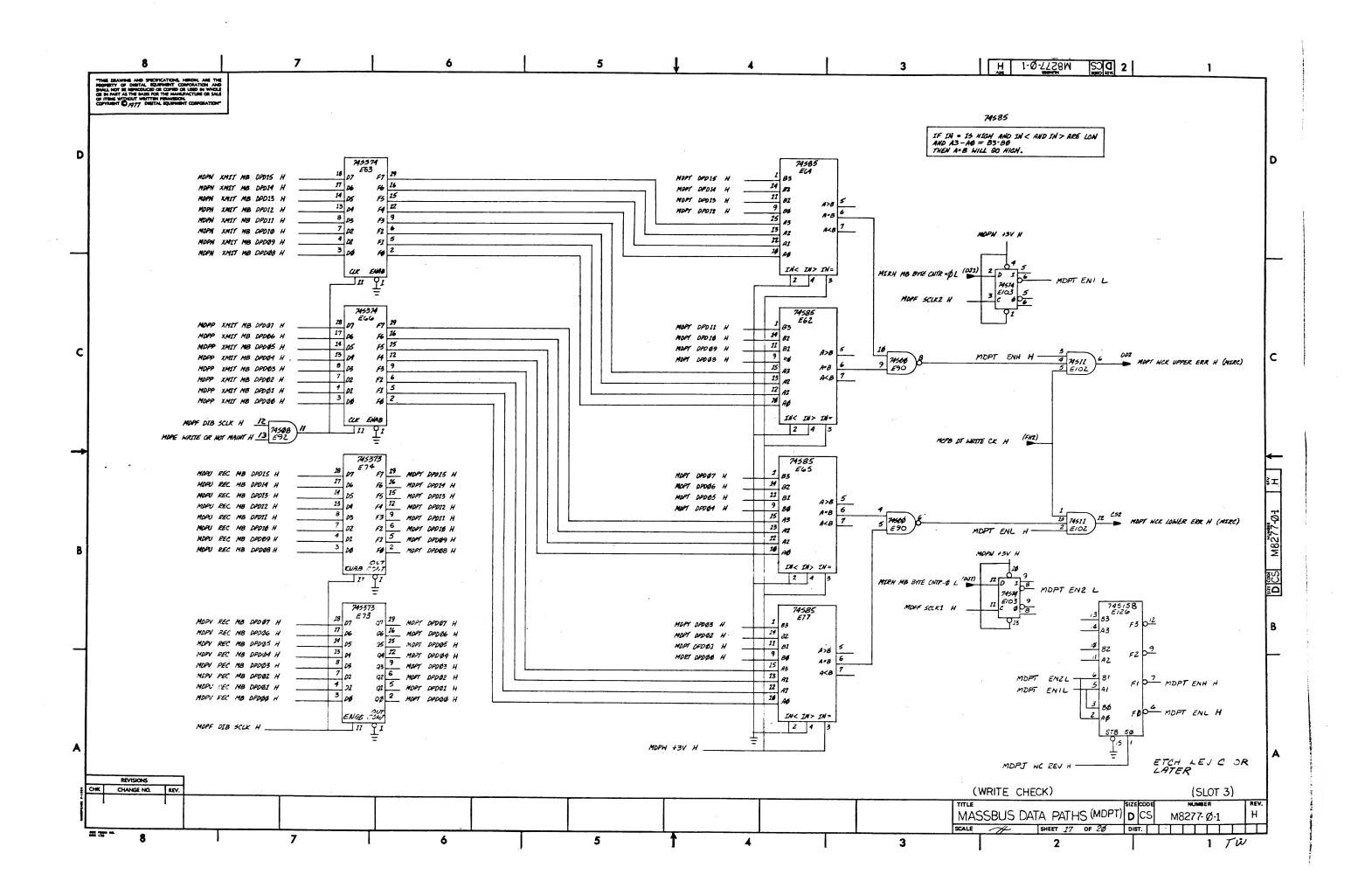


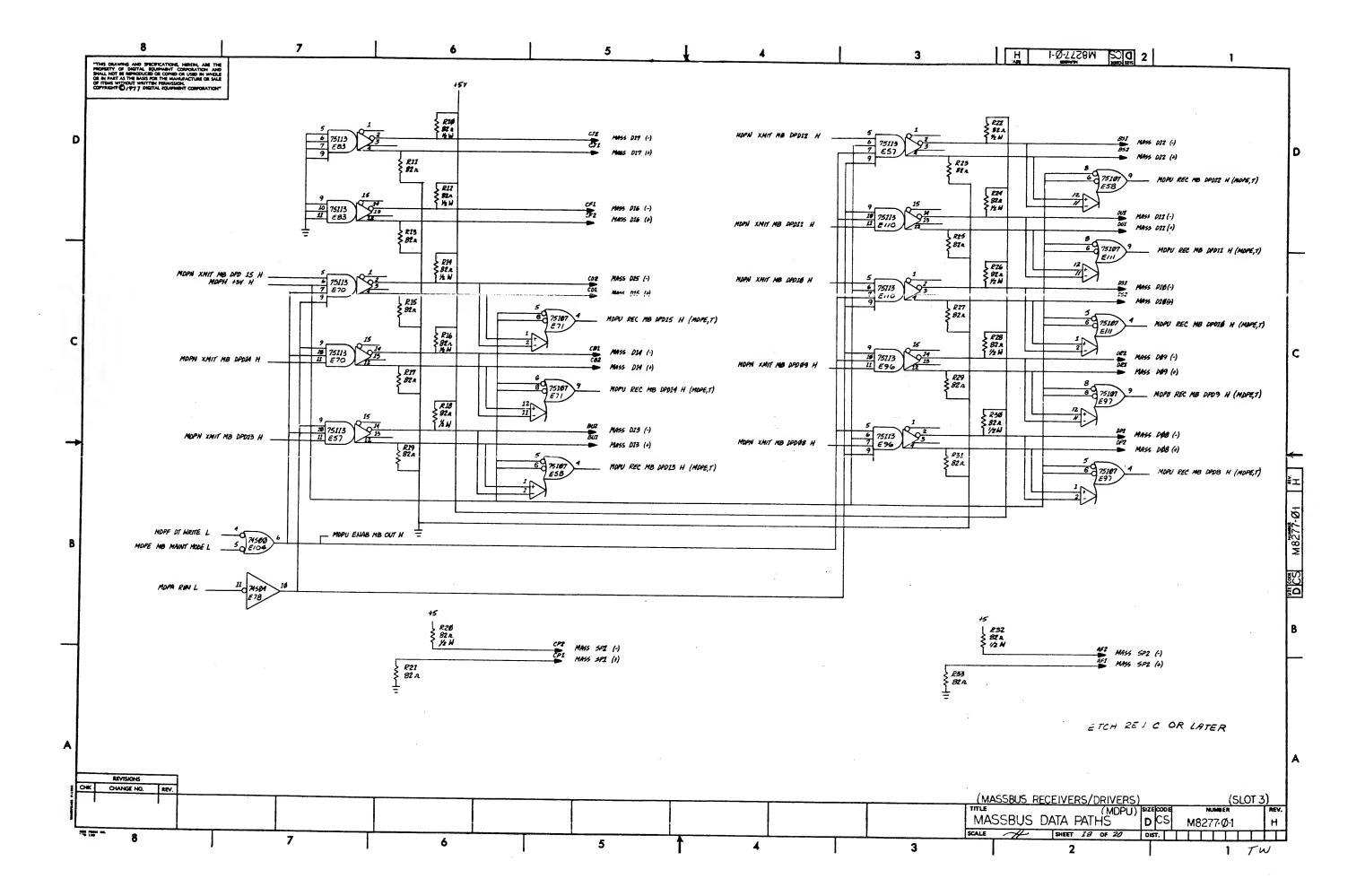


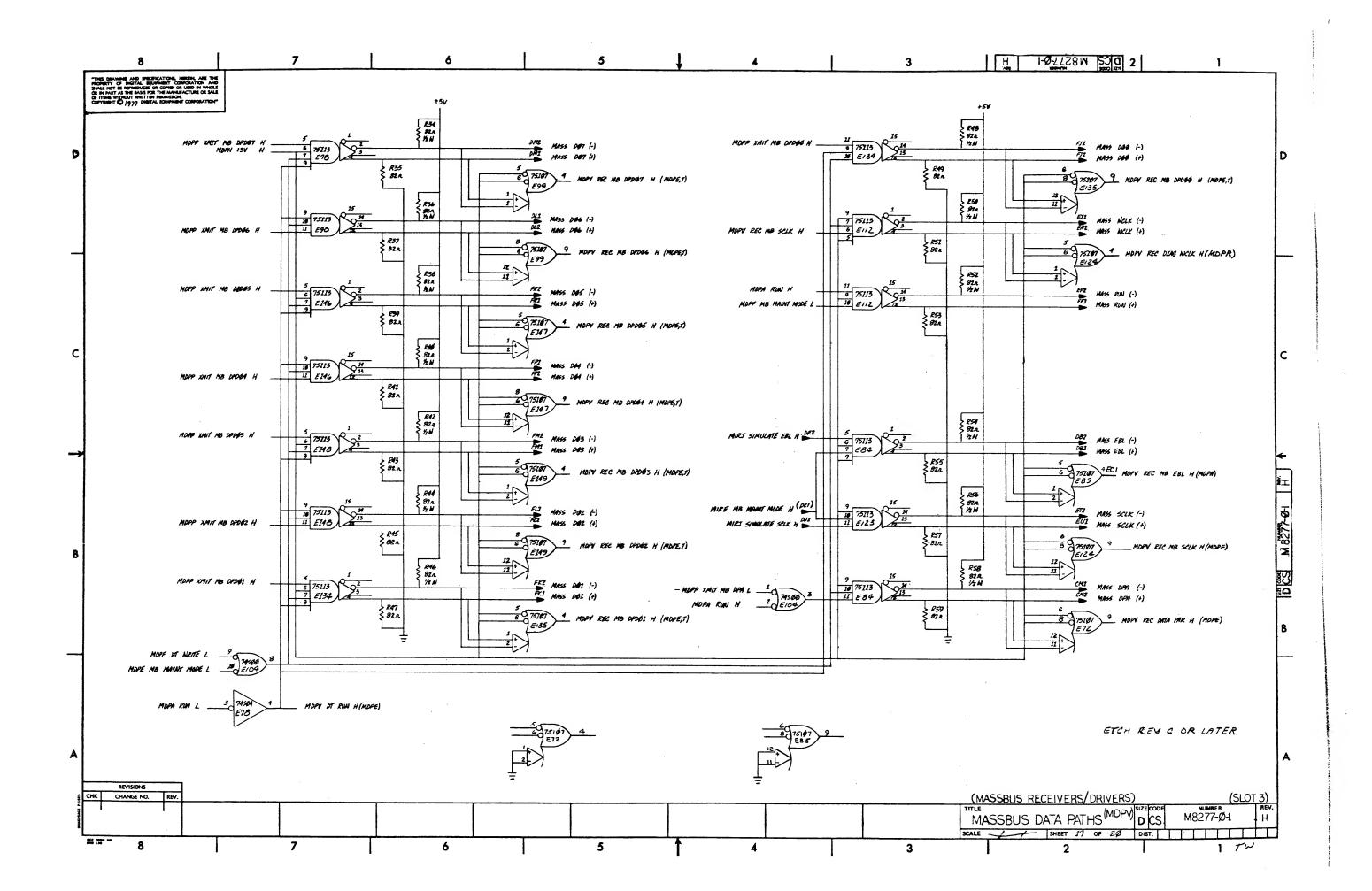


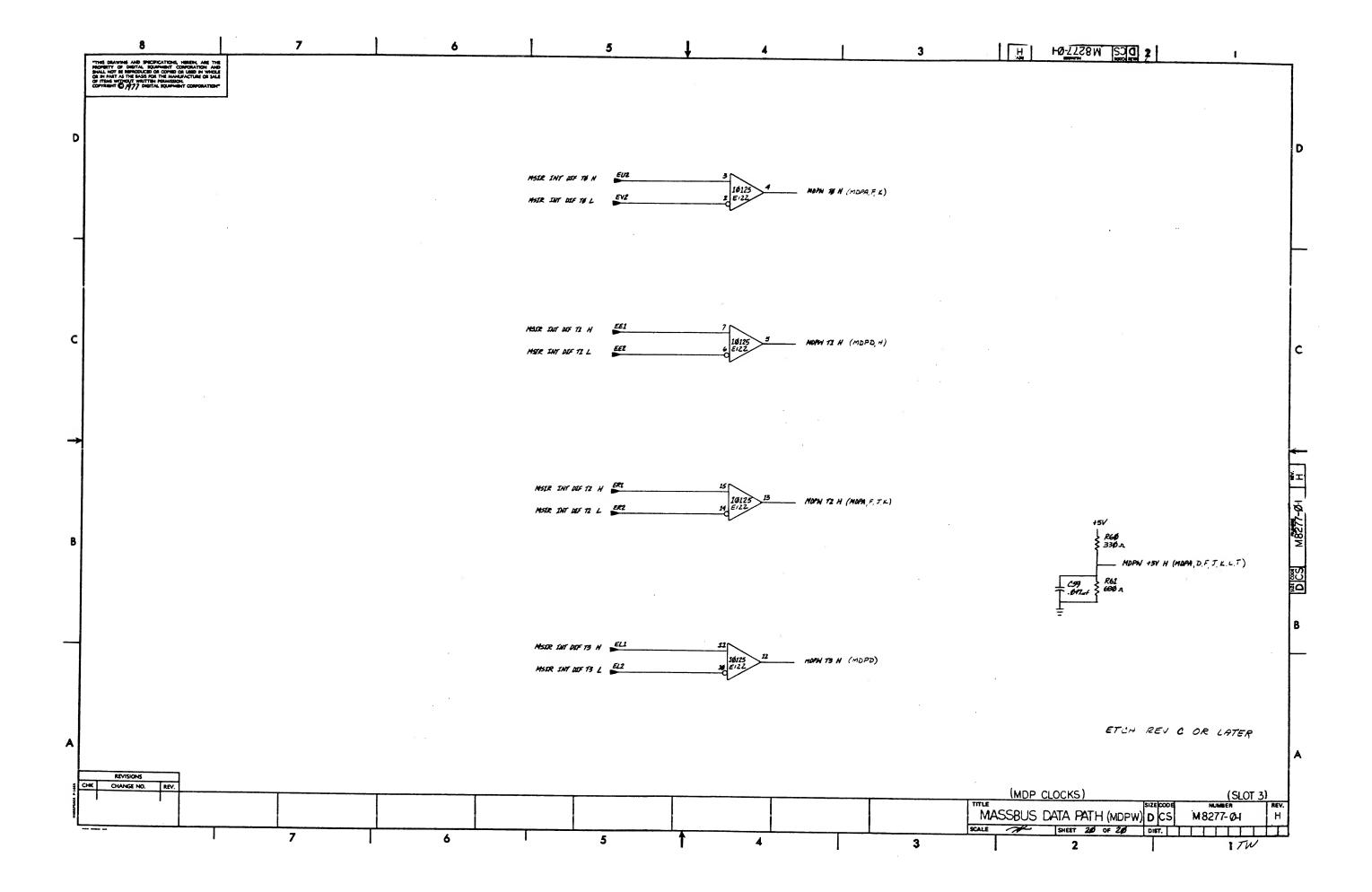


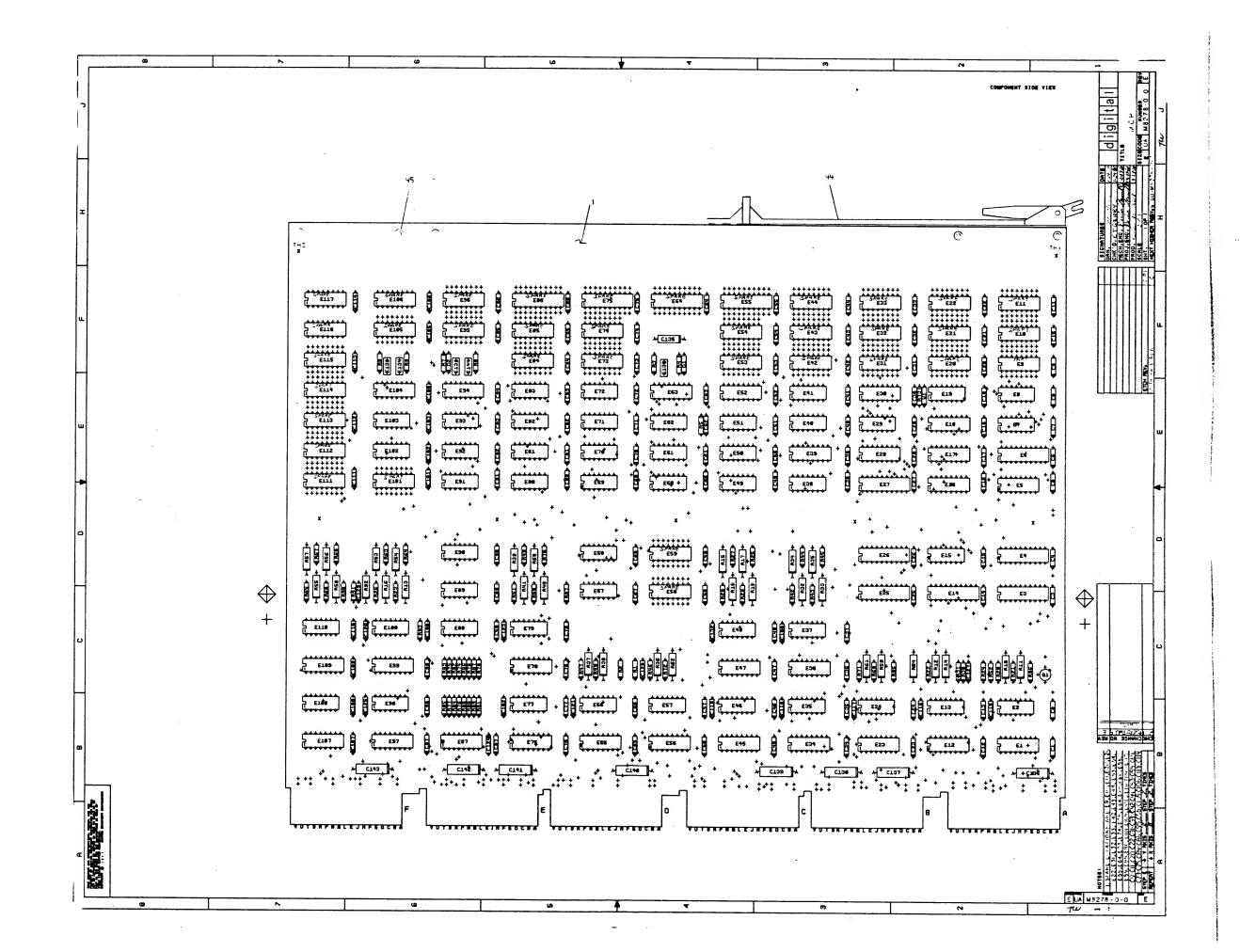








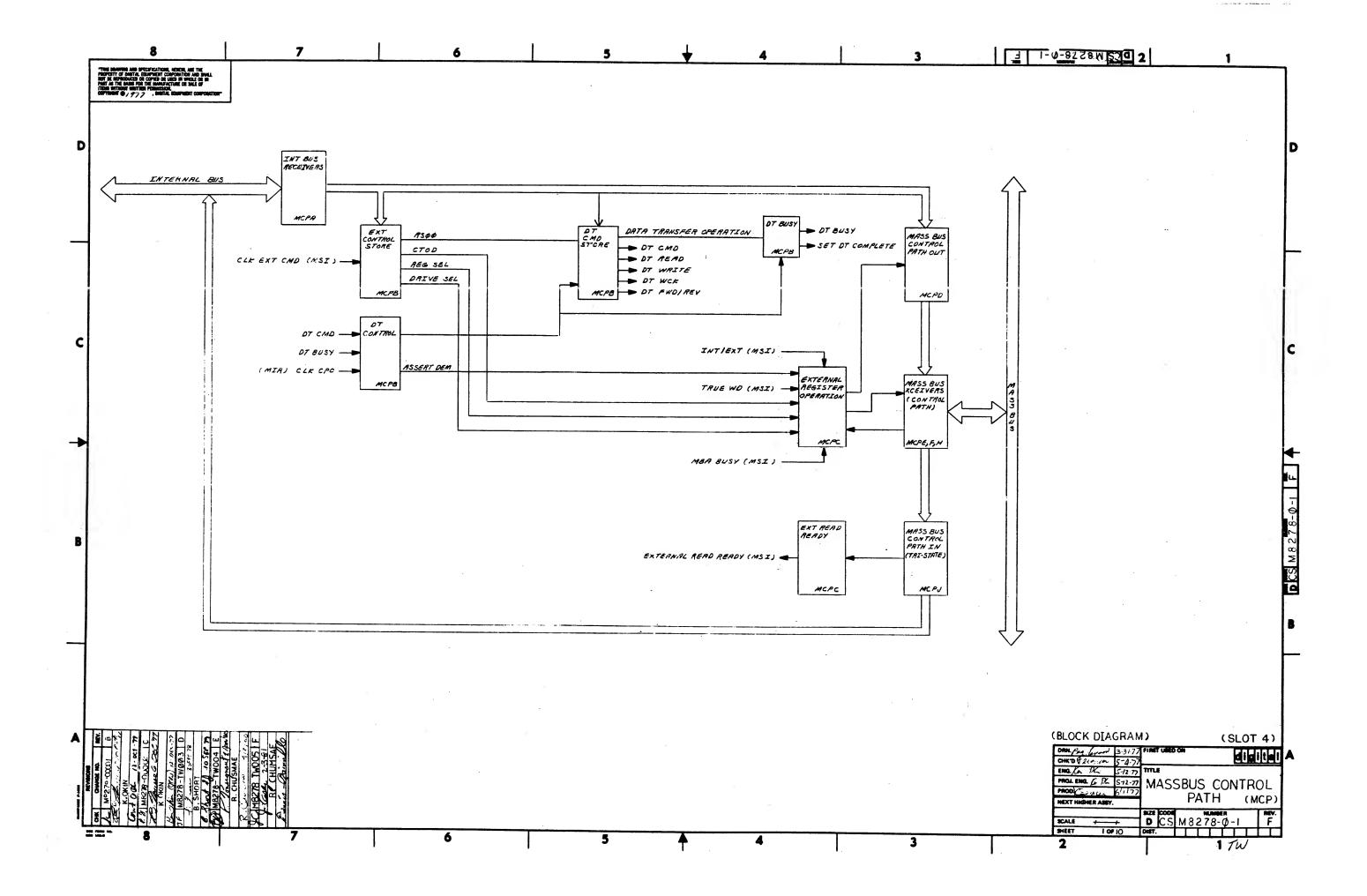


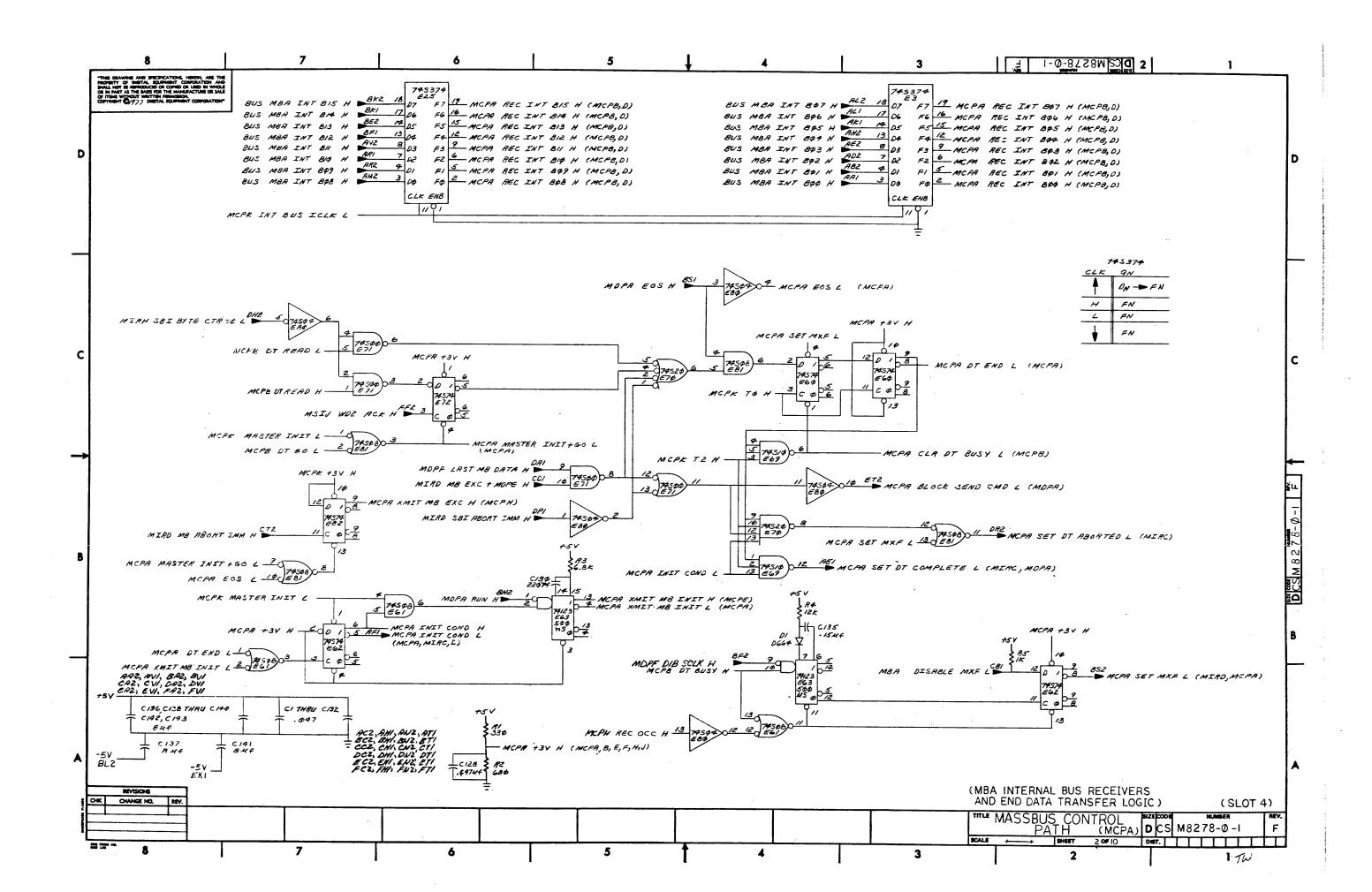


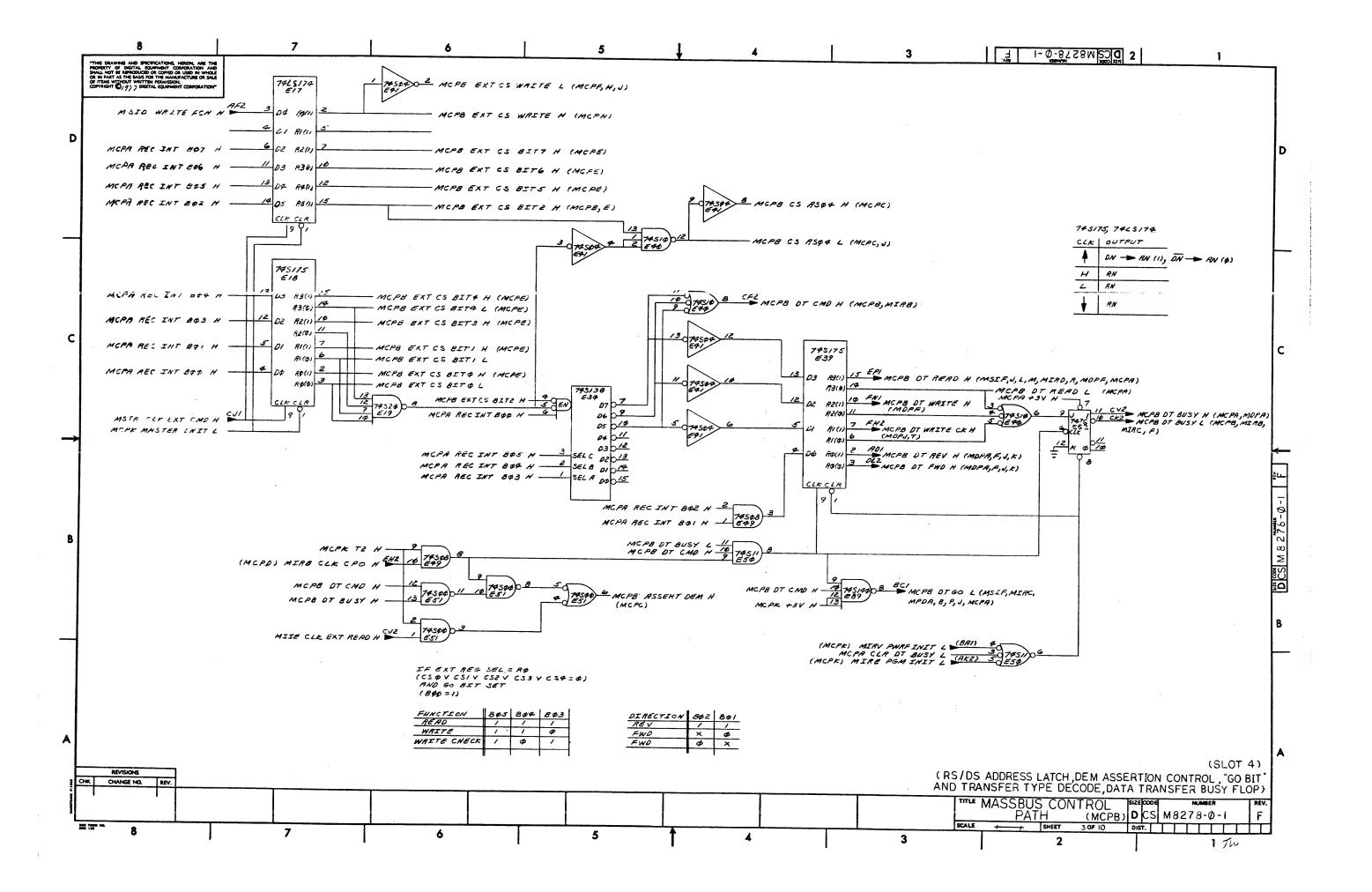
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1 1 E-MD-5012649-0-0 2 2 3 3 4 4 5 5 6 6 7 7 BLANK	1000019-00 1005820-00 1011895-00	3278 150.0 MMF 100V 5%200PPM MIC 22.0 MMF 100V 5%200PPM MIC 15 MFD 35V 10% S.TAN 220.0 MMF 100V 1%200PPM MIC 8 MFD 25V +75-10% AL E	A 1 T 1 A 2	C144,C133 C134 C135 C130,C131 C136-C143	
8 8 9 9 10 10 11 11 12 12 13 13 14 14 15 15 16 16 17 17 18 18 19 19 20 20 21 21 22 22 23 23 24 24 25 25 26 26 27 27 28 28 29 29	1304488-00 1309365-00 1301424-00 1301423-00 1300295-00 1301477-00 1305346-00 1301781-00 1302957-00 1302957-00 1311422-00 1312930-00	D 664 QS\75PCB PIV= 25V SP 20	0 8 1 1 1 5 5 5 5 7 2 2 1	D1,D2 R97 R4 R5,R73 R2,R31,R91 R3 R1,R30,R90 R20=R29,R42=R51,R63=R72,R7 R10=R19,R32=R41,R53=R62,R6,R8,R9 R82=R89 R74=R81 R52 R96 Q1 E71,E51,E102,E67,E68 E80,E41,E91 E81,E61,E49,E93,E90 E69,E40 E50	
30 30	1910542-00	74820 NAND GATE-DUAL 4INPI 74864 A-0-1 GATE 4-2-3-2	J 2 	E70,E19 E83	
NG! ECO NUMBER ! REV SECT	C PART NO: M8278	IDRN: K.FRIEDGEN ID	ATE: 11-SEP-79	DITIGITIES	Į į
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"THIS DRAWING AND SPECIFI OR COPIED OR USED IN WHO	THE OF THE ENET NO THE	THE PROPERTY OF DIGITAL EQUIP E BASIS FOR THE MANUFACTURE OR (C) 1981, DIGITAL EQUIPMENT C	L SALE OF TYPES WIT	ND SHALL NOT BE REPRODUCED HOUT WRITTEN PERMISSION.	

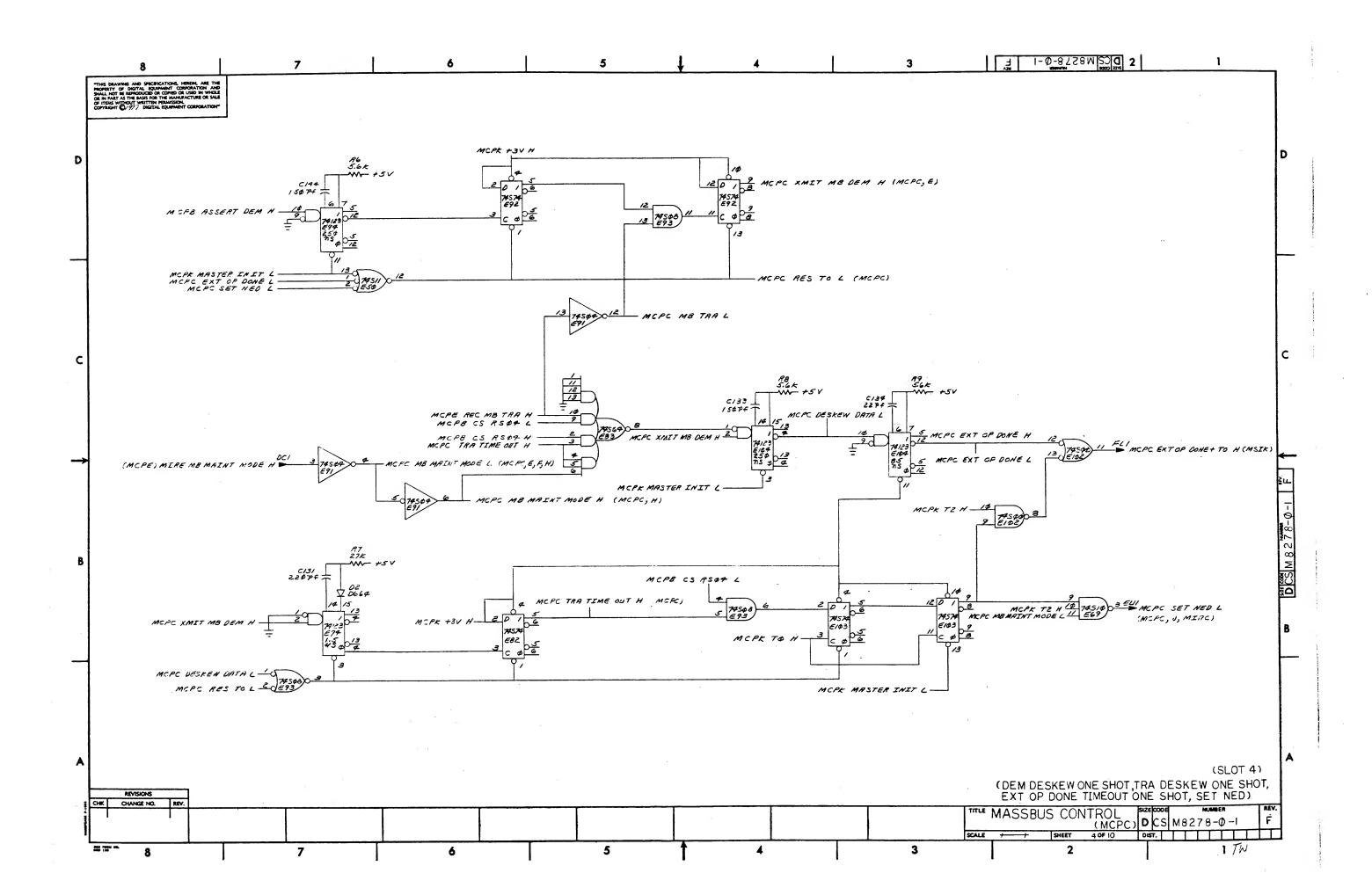
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LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	00 00	VARIATION REFERENCE DESIGNATOR
31 31 32 32 33 33 34 34 35 35 36 36 37 37 38 38 39 39 40 40 41 41		1910544-00 1905585-00 1910436-00 1911675-00 1910546-00 1912697-00 1910957-00 1913493-00 1913671-00 1910268-00	74874 FF-D. DUAL, EDGE TRIGG 7476 FF-JK DUAL, MASTER SL DEC 74123 ONE SHOT-DUAL, RETRIG 748138 DECODER/DEMUX 3-8 LIN 748140 NAND GATE-DUAL 4INPU LS174 FF-D HEX W/CLEAR 748175 FF-D QUAD COMMON CLO 748241 OCTAL BUFFER, TRI-STA 748280 PARITY GEN/CHKR, 9BIT 748374 FF-D OCTAL TRISTATE DEC 751078 RECEIVER, LINE, DUAL,	6 1 3 1 2 4 2 3 4 4	E72,E60,E62,E82,E92,E103 E52 E63,E94,E104 E30 E89,E38 E17,E28,E16,E5 E18,E39 E26,E27,E4 E15,E7,E29,E8 E25,E3,E14,E6 E2,E48,E98,E46,E13,E35,E37,E57,
42 42 43 43 44 44 45 45 46 46 47 47		1911341-00 1911415-00 1216988-02 9000024-01 9009185-00 1012784-00	75113 DRIVER, LINE, DUAL, MA 10125 ECL TO TTL TRNSLTR HANDLE, MODULE, HEX TWO EJECTORS EYELET, ROLLED FLANGE, .121 OD X JUMPER, WIRE, INSULATED, BLACK B .047 MFD 50V +80-20% CER	15 1 1 12 1 102	CONT E66,E79,E77,E100,E108,E110,E24, CONT E88 E1,E47,E97,E45,E12,E34,E36,E56, CONT E65,E78,E76,E99,E107,E109,E23 E87 W1 C1-C8,C12-C19,C23-C30,C34-C41, CONT C45-C52,C56-C63,C65-C72,C76-C83, CONT C87-C94,C97-C104,C107-C112, CONT C115-C129,C132

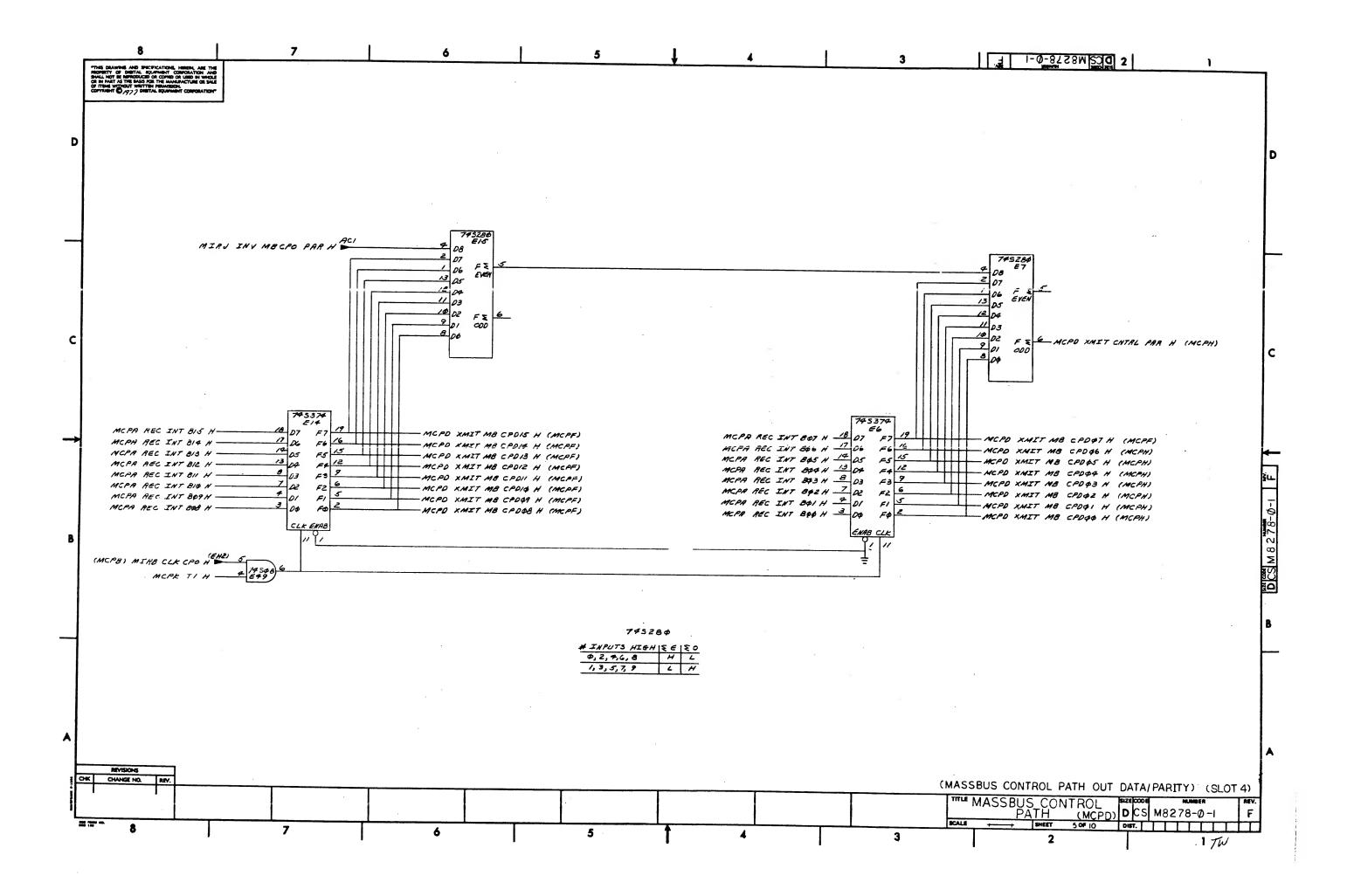
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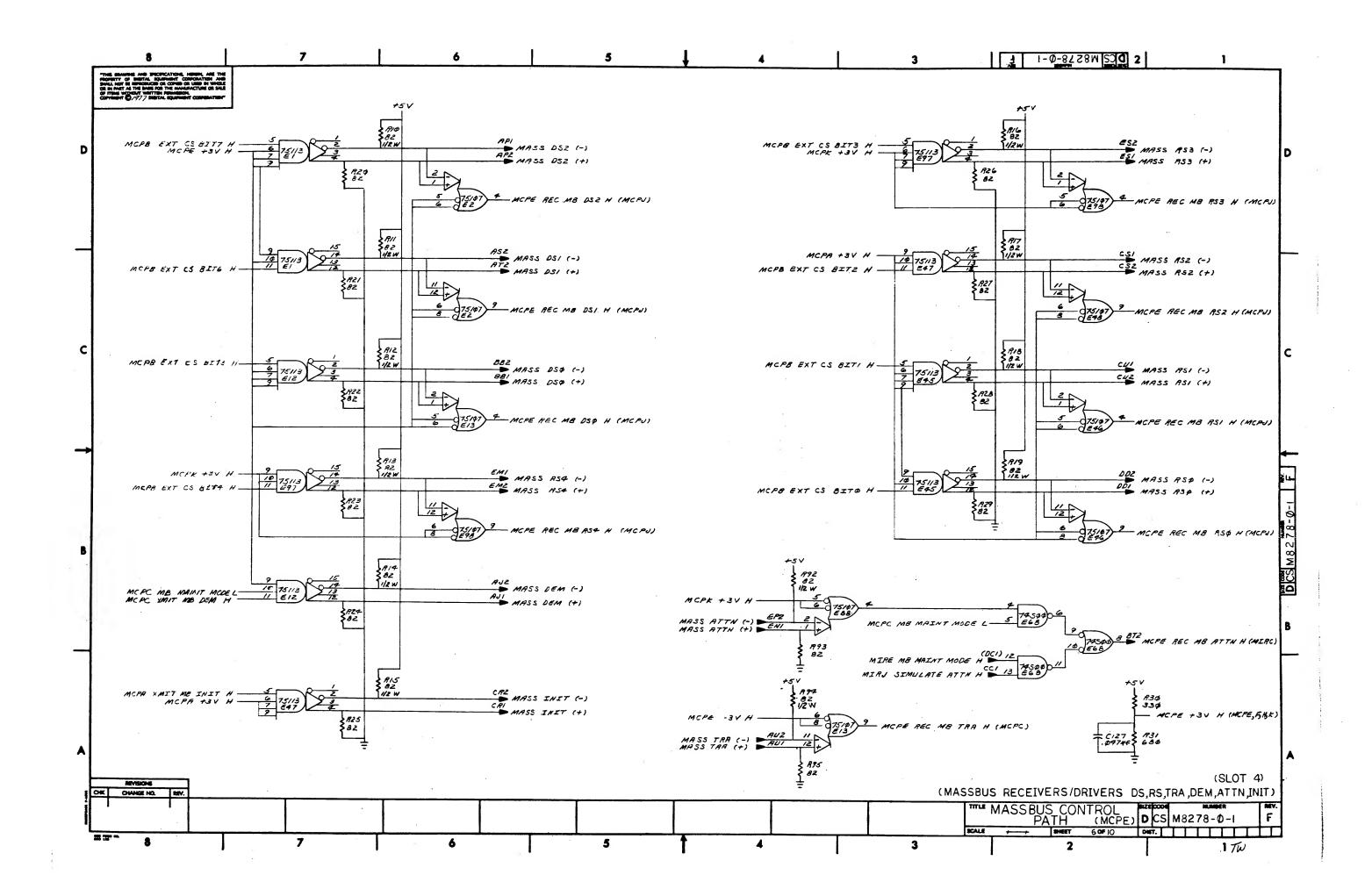


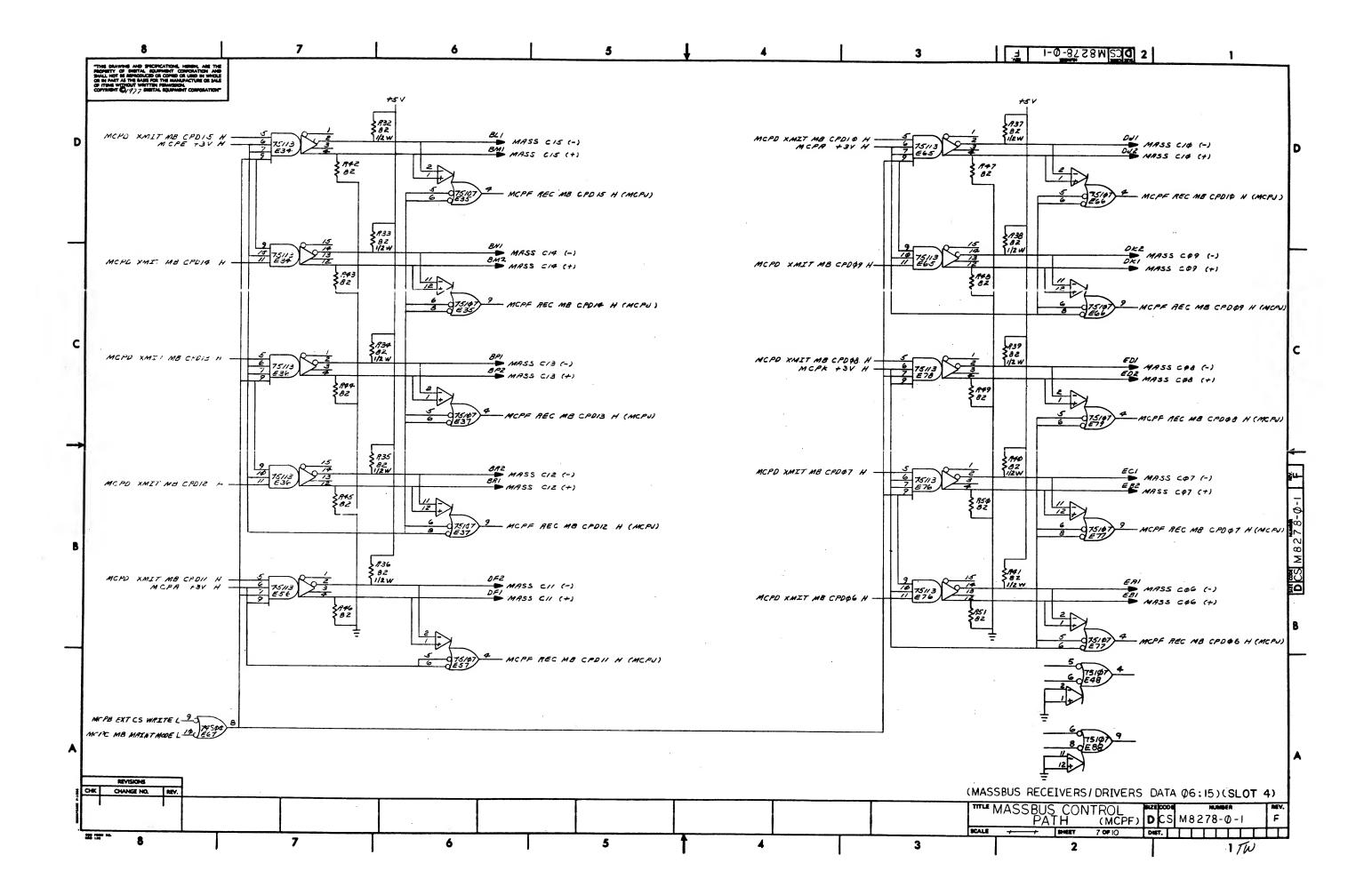


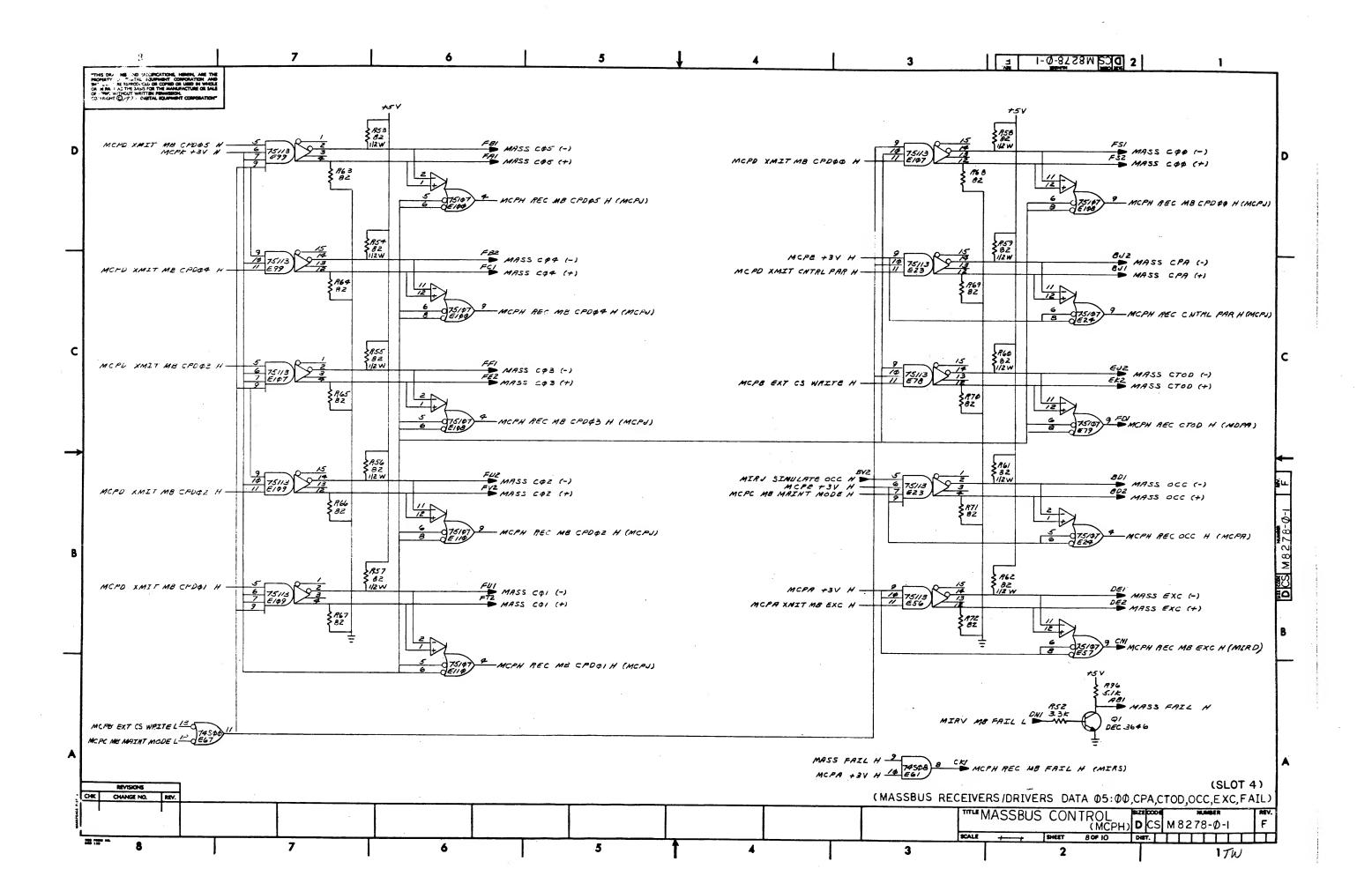


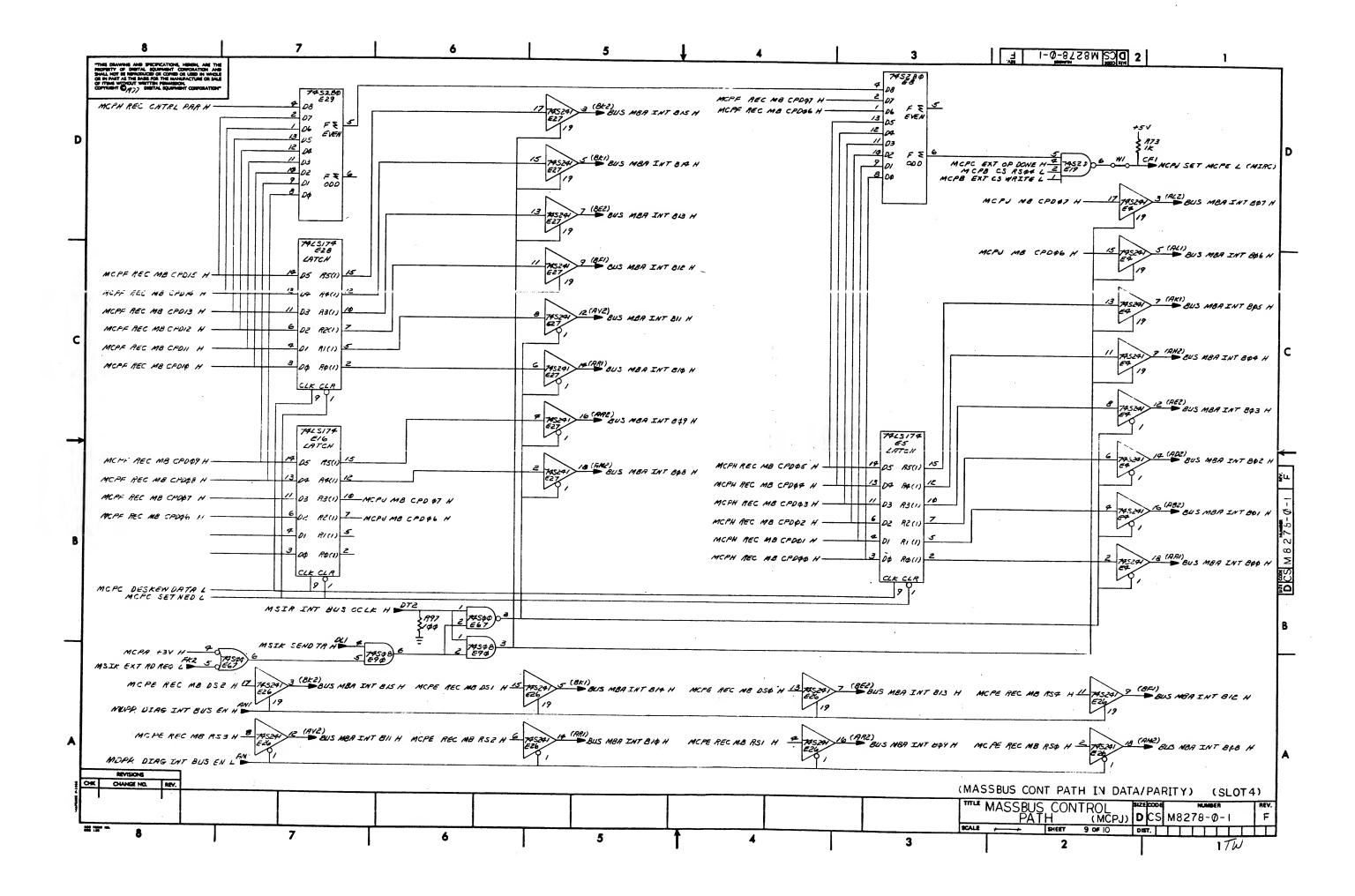


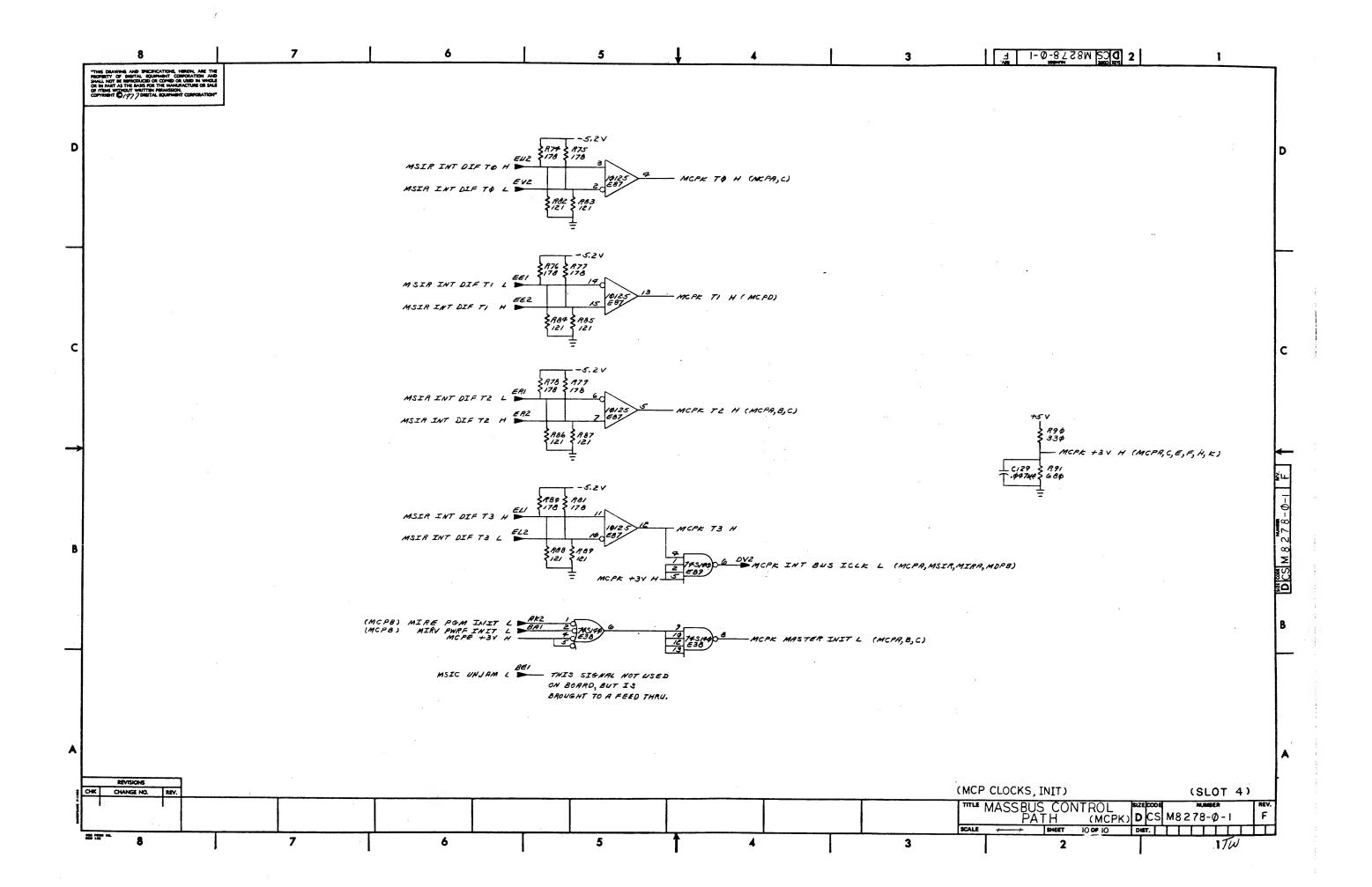


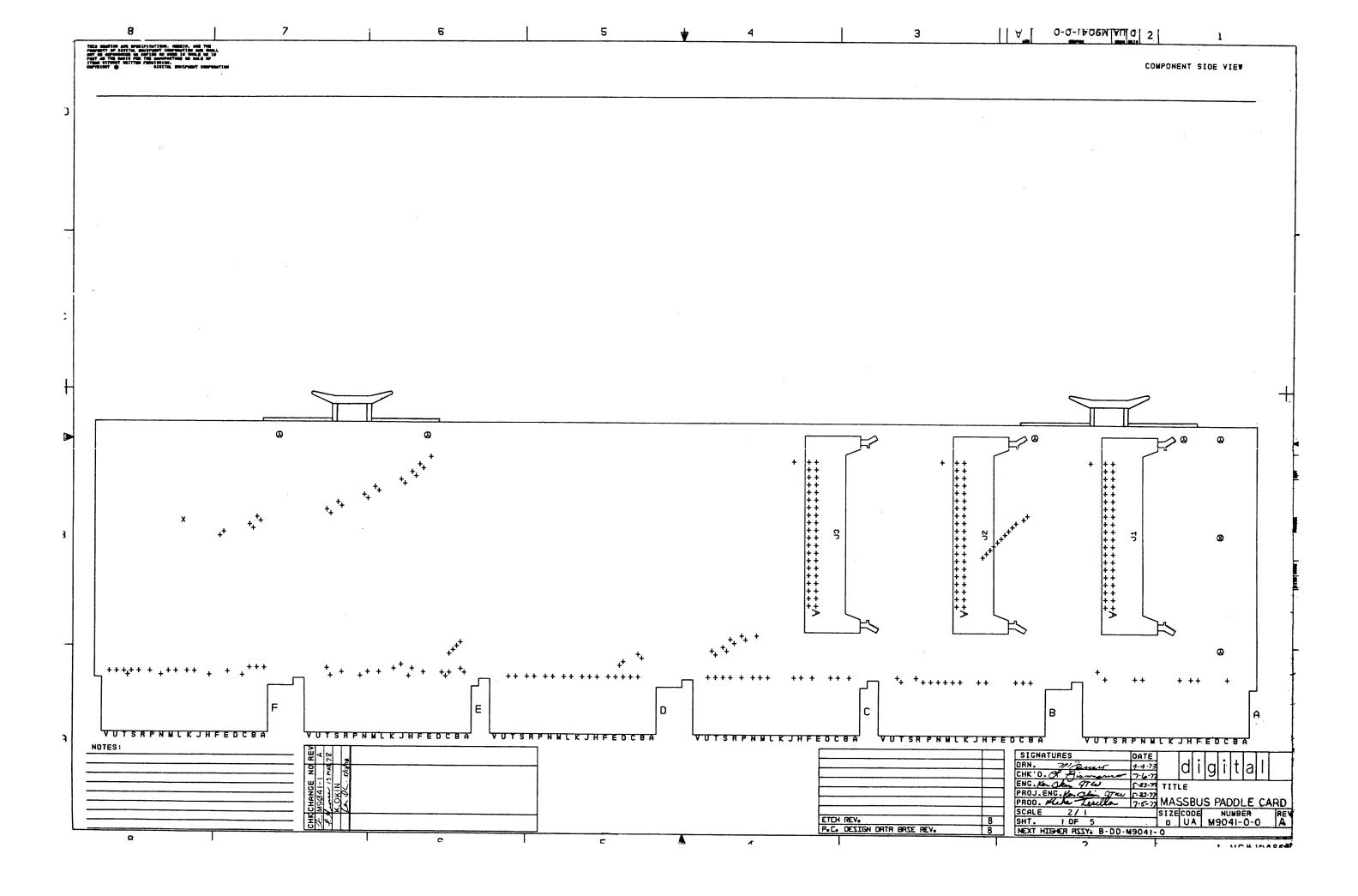


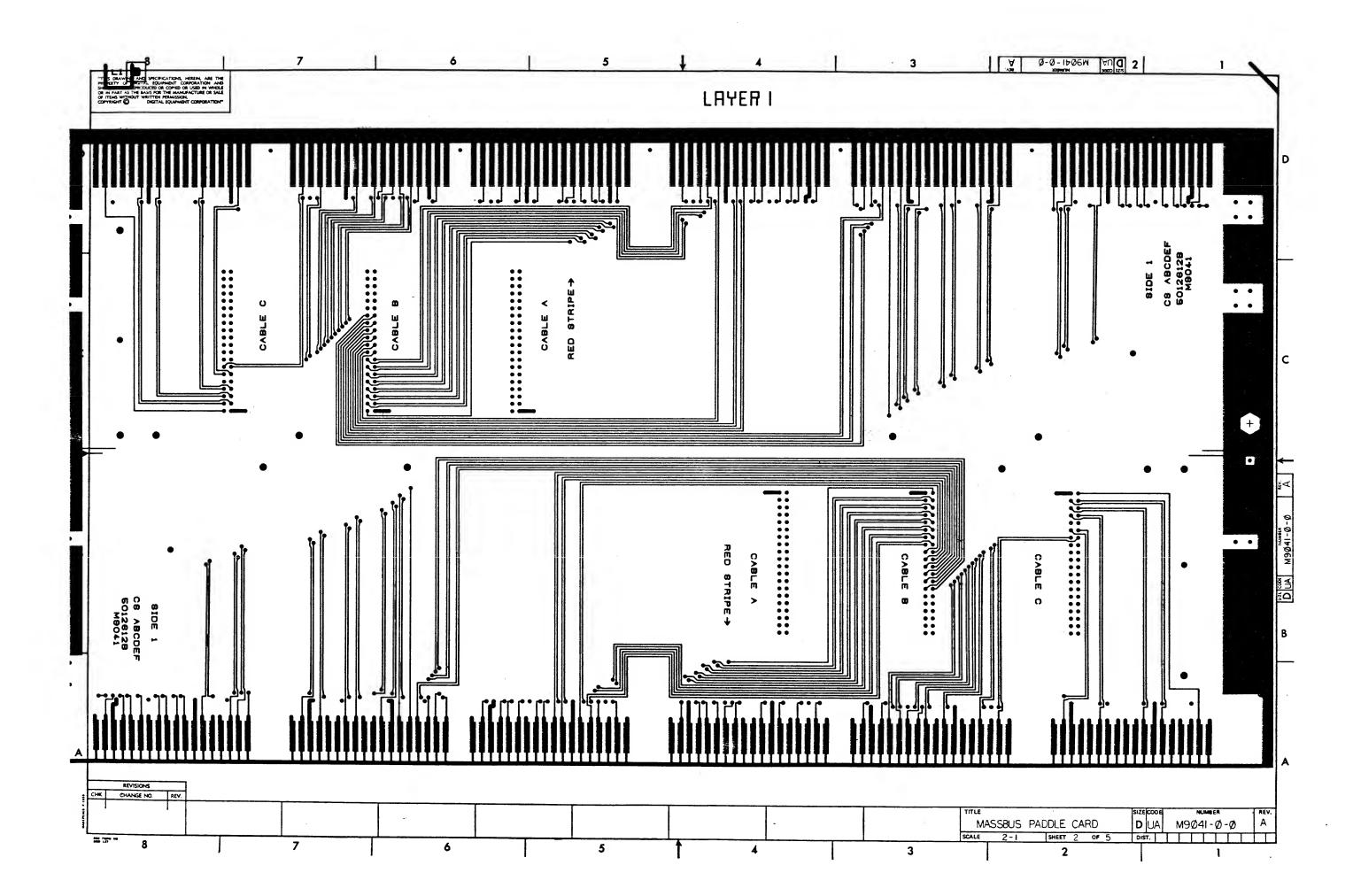


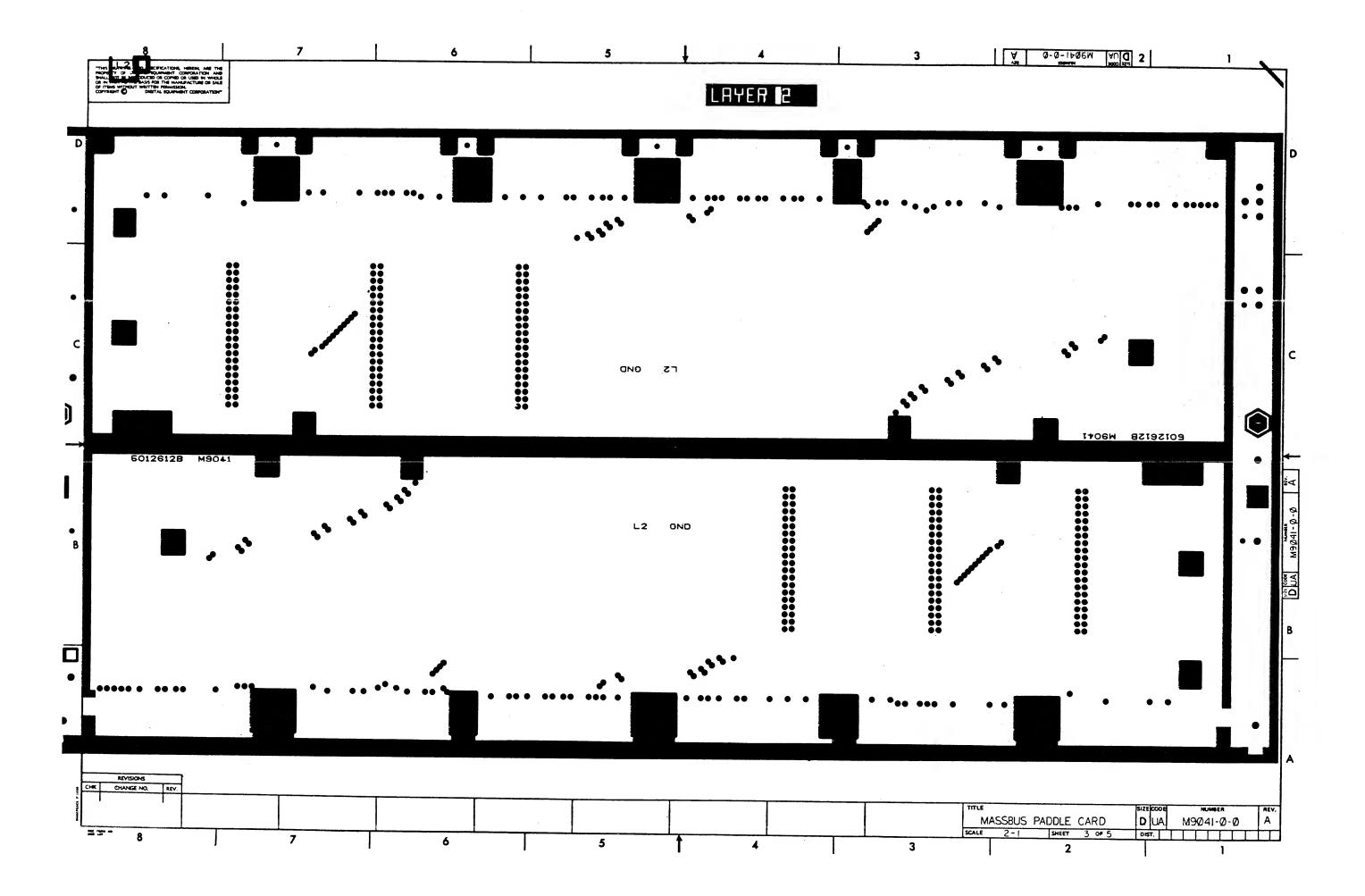


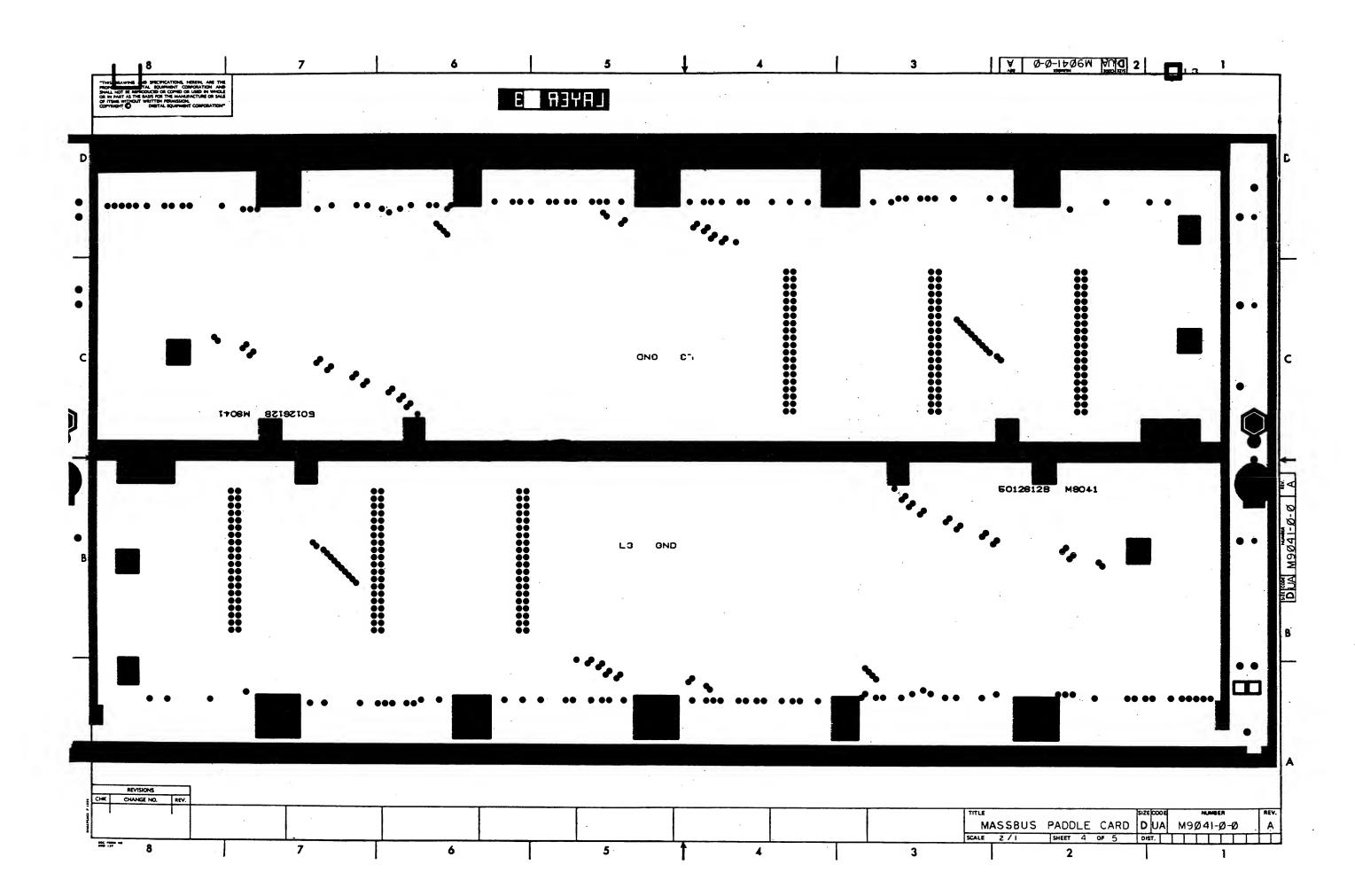


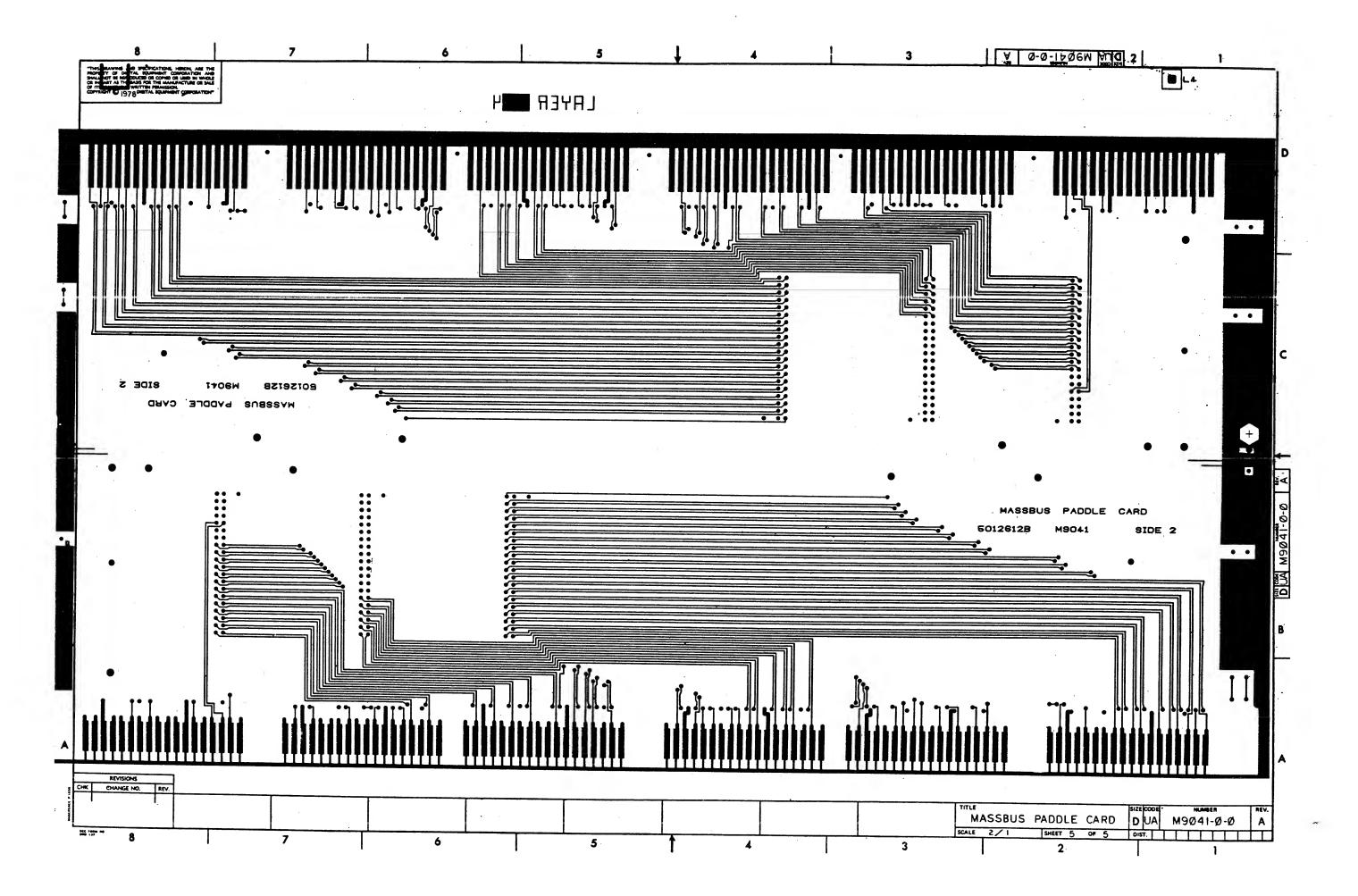












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1 1 2 2 3 3 4 4 5 5 6 6			5012612-00 1209941-02 9008337-06 9006732-00 1209941-03 1209941-04	M9041 FC BOARD HEADER 100 40POS RT HANDLE, FLIP CHIP, EYELET, ROLLED FLAN HEADER RT	ANGLE \$ MAGENTA GE, .121 OD X .219 ANGLE LEFT LATCH F ANGLE,RIGHT LATCH	FOR 3
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7 NOTE	: 104866	* *	· · · · · · · · · · · · · · · · · · ·	*** **		
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REVISIO	ON HISTORY	!VARIATIONS FOR	THIS ASSY.			
	00 NO ! REV	-!	THIS ASSY.!	FIRST USED ON:		! -! DIGITAL EQUIPMENT CORPORATION
IK ! EC	00 NO ! REV	.!-00	THIS ASSY.!	FIRST USED ON:		! DIGITAL EQUIPMENT CORPORATION -! MAYNARD, MASSACHUSETTS
K ! EC	CO NO ! REV	-!	THIS ASSY.! !- !! !! !!	FIRST USED ON: MADE BY: F.MULLIGAN CHECKED: L.GIAMMARINO	! DATE: 13-MAR-78	! DIGITAL EQUIPMENT CORPORATION! MAYNARD, MASSACHUSETTS _! TITLE _! PARTS LIST _! MASSBUS PARTIE CARD
Κ ! EC	0001 ! A	- 00	THIS ASSY.!	FIRST USED ON: MADE BY: F.MULLIGAN CHECKED: L.GIAMMARINO	!DATE: 13-MAR-78 !DATE: 13-MAR-78	! DIGITAL EQUIPMENT CORPORATION ! MAYNARD, MASSACHUSETTS ! TITLE ! PARTS LIST ! MASSBUS PADDLE CARD
K ! EC	0001 ! A	-00	THIS ASSY.!	FIRST USED ON: MADE BY: F.MULLIGAN CHECKED: L.GIAMMARINO USN.ENG.: K.OKIN	!DATE: 13-MAR-78 !DATE: 13-MAR-78 !DATE: 13-MAR-78	! DIGITAL EQUIPMENT CORPORATION! MAYNARD, MASSACHUSETTS !TITLE PARTS LIST! ! MASSBUS PADDLE CARD! !! SIZE!CODE! DOCUMENT NUMBER ! REV
K ! EC	0001 ! A		THIS ASSY.!	FIRST USED ON: MADE BY: F.MULLIGAN CHECKED: L.GIAMMARINO ISN.ENG.: K.OKIN ROD.: M.TERELLA	!DATE: 13-MAR-78 !DATE: 13-MAR-78 !DATE: 13-MAR-78	! DIGITAL EQUIPMENT CORPORATION! MAYNARD, MASSACHUSETTS !TITLE PARTS LIST! ! MASSBUS PADDLE CARD! -!SIZE!CODE! DOCUMENT NUMBER ! REV

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